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BOGUS CREEK SALMON STUDIES

PROJECT NUMBER: 2000-FP-15
COOPERATIVE AGREEMENT: 14-48-11333-00-JO16.
PERIOD COVERED: October 1, 1999 - September 30, 2000

ABSTRACT

The California Department Fish and Game operated a fish marking weir and conducted carcass surveys on Bogus Creek in the fall of 1999. The primary purpose of the study was to determine the escapement of fall-run chinook salmon and describe the general characteristics of the spawning run. The chinook spawning run began on about 24 September and migration into the creek ended on about 9 November. The run peaked during the third week of October. Approximately 6,165 chinook salmon were estimated to have entered Bogus Creek during the 1999 spawning season. Based on scale analysis results provided by the Klamath River Technical Advisory Team, the run included approximately 2,628 grilse (age 2) and 3,537 adults (≥ age 3). Females comprised 48% of the run and males comprised the remaining 52%. The average fork length of grilse was 52 cm (range, 31-59 cm) and the average fork length of adults was 69 cm (ranged, 60-99 cm). Heads were recovered from a total of 93 adipose fin clipped fish that were observed either at the fish marking weir or during carcass survey efforts. Of these, 83 tags originated from Iron Gate Hatchery and 11 tags were either unreadable or could not be recovered. Expansions of the coded wire tags collected indicate that approximately 2,915 or 47.3% of the chinook salmon that spawned in Bogus Creek were of hatchery origin. Forty eight percent of the adipose fin clipped fish collected were recovered in the lower 0.25 miles of Bogus Creek, downstream of the fish marking weir. Based on this information, it appears that the majority of chinook salmon that spawn in this lower reach (Reach 1) are of hatchery origin, while the upper reaches of the creek are used more extensively by chinook salmon of natural origin.

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a) Determine the in-river run size (escapement) of fall chinook salmon returning to Bogus Creek during the 1999 season.

b) Determine run timing, spawning distribution, length frequency, and sex ratio for fall chinook salmon in Bogus Creek.

c) Collect scale samples and recover heads from adipose fin-clipped, presumably coded-wire-tagged salmon.

d) Record information on coho salmon and steelhead observed during the course of this work

STUDY AREA

Bogus Creek is located entirely in Siskiyou County and is the first major tributary to the Klamath River downstream of Iron Gate Dam. Bogus creek is fed by several springs throughout its length which contribute cooler water and provide favorable conditions for spawning and rearing salmonids and other resident cool water species. The headwaters of the creek originate in the Klamath National Forest northwest of Willow Creek Mountain at an elevation of 1,599 meters (5,197 ft). The upper reach of the creek, from its headwater to the confluence of Cold Creek, flows in northerly direction through a steep sided canyon for about 15.4 kilometers (9.6 miles) and has an average stream gradient of approximately 49.7 meters per kilometer (259 feet per mile). This upper section provides habitat for steelhead trout and various native and non-native resident species. The steep gradient, smaller channel and reduced stream flows during the spawning season prevents use of this reach by spawning chinook salmon.

From the confluence of Cold Creek downstream, Bogus creek flows in a westerly direction for an additional 7.5 kilometers (4.7 miles) through mostly private lands before entering the Klamath River. Additional tributary accretions, combined with a more gradual stream gradient (14.3 meters per

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bottom of the fish ladder (Reach 3A). A map depicting the survey reach boundaries is presented in Figure 1. Permission to access Bogus Creek upstream of the fish ladder could not obtained in 1999. Therefore, carcass surveys in this upper reach could not be conducted.

Carcass surveys were conducted twice a week throughout the chinook salmon spawning season. The first survey occurred on 25 October and the last survey occurred on 22 November. A total of nine (9) surveys were conducted during the season. Each survey was conducted by a crew consisting of at least two persons. Every carcass found was identified to species, examined for the presence of marks (opercle punch, adipose fin clip), sexed, and measured to fork length (cm). Heads were collected from all adipose fin clipped fish to recover the coded wire tag for subsequent reading and analysis. Scale samples were taken from all fish when possible. In addition, observers noted the extent of spawn contributed by each female to determine whether that fish had died prior to spawning.

The spawner escapement for the area upstream of the fish marking weir was calculated using the Petersen mark recapture equation described by Ricker (1975) as follows:

$$\frac{(M+1) \times (C+1)}{(R+1)}$$

Where: M = The number of salmon marked at the weir.

C = The number of marked and unmarked salmon examined in the carcass survey and as wash backs at the weir.

R = The number of marked salmon recovered in the carcass survey and as wash backs at the weir.

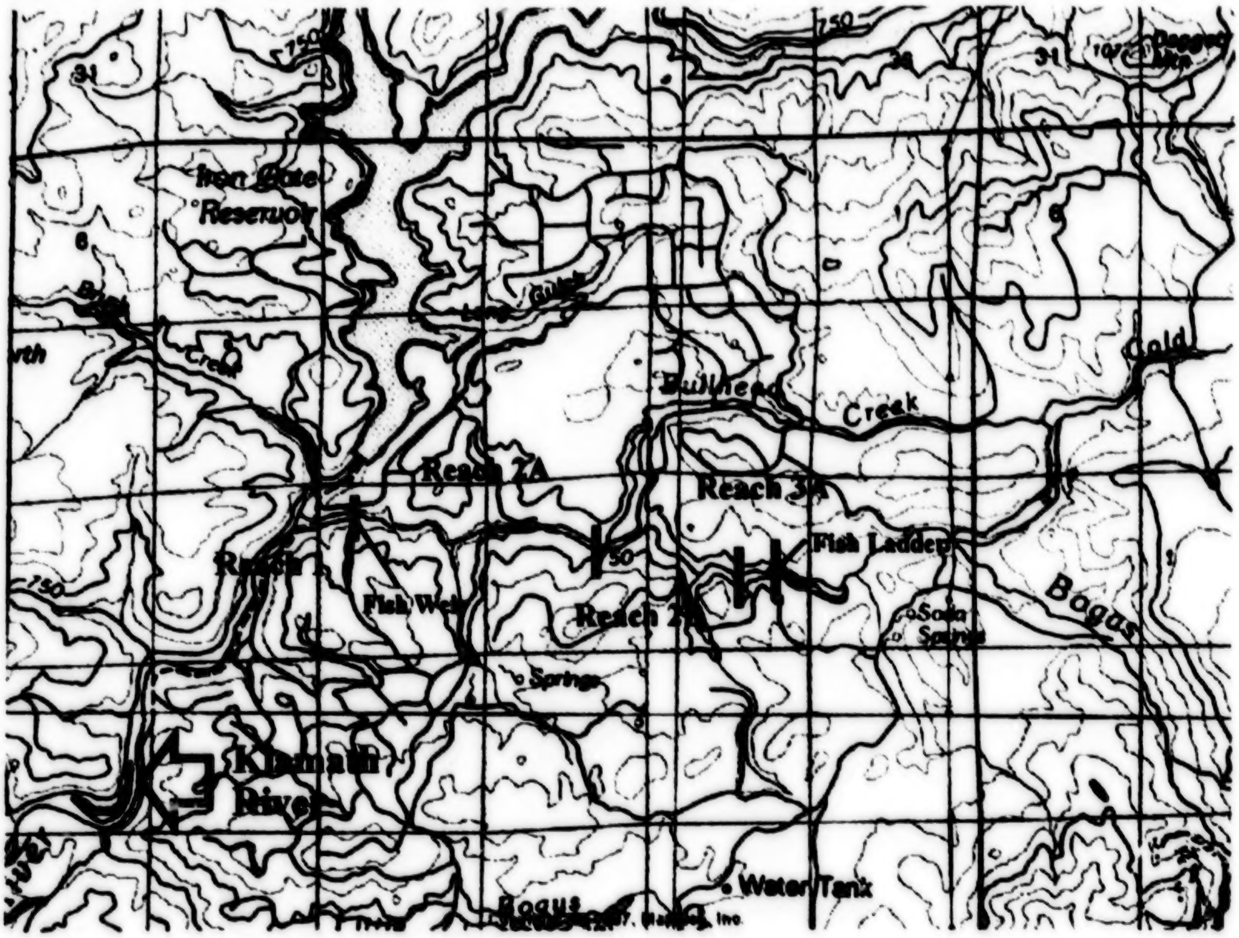


Figure 1. Map of Bogus Creek showing the location of the fish marking weir and carcass survey reaches sampled during the 1999 chinook salmon spawning season.

Because Reach 1 is located in the 0.41 kilometers (0.25 miles) of Bogus Creek downstream of the fish marking weir, a Petersen Mark Recapture estimate could not be calculated for this reach. Therefore, the spawner escapement estimate for this short reach was derived from a direct count of the number of carcasses recovered during the carcass surveys. The entire escapement estimate for the creek is the sum total of the Petersen Mark Recapture estimate for the area upstream of the fish marking weir and the direct count of the number carcasses observed in Reach 1.

To determine the number of grilse and adults present in the spawning run a length frequency histogram was developed from data collected during the carcass survey. Based on the examination of the length frequency distribution observed, biological staff used professional judgement and experience to determine the fork length that was believed to best denote the age class separation between grilse (2 year old fish) and adults (≥ 3 year old fish). The resulting proportion between grilse and adult fish observed in the length frequency distribution was then applied to the total population estimate to estimate the number of grilse and adults present in the entire spawning run. This annual estimate is preliminary and may be modified once the Technical Advisory Team to the Klamath Fisheries Management Council completes their analysis of scales collected during the survey effort. Therefore, the preliminary estimate of the number of grilse and adults, which is based on length frequency analysis, and the final determination of the number of grilse and adults, which is based on the results of scale analysis, may differ slightly.

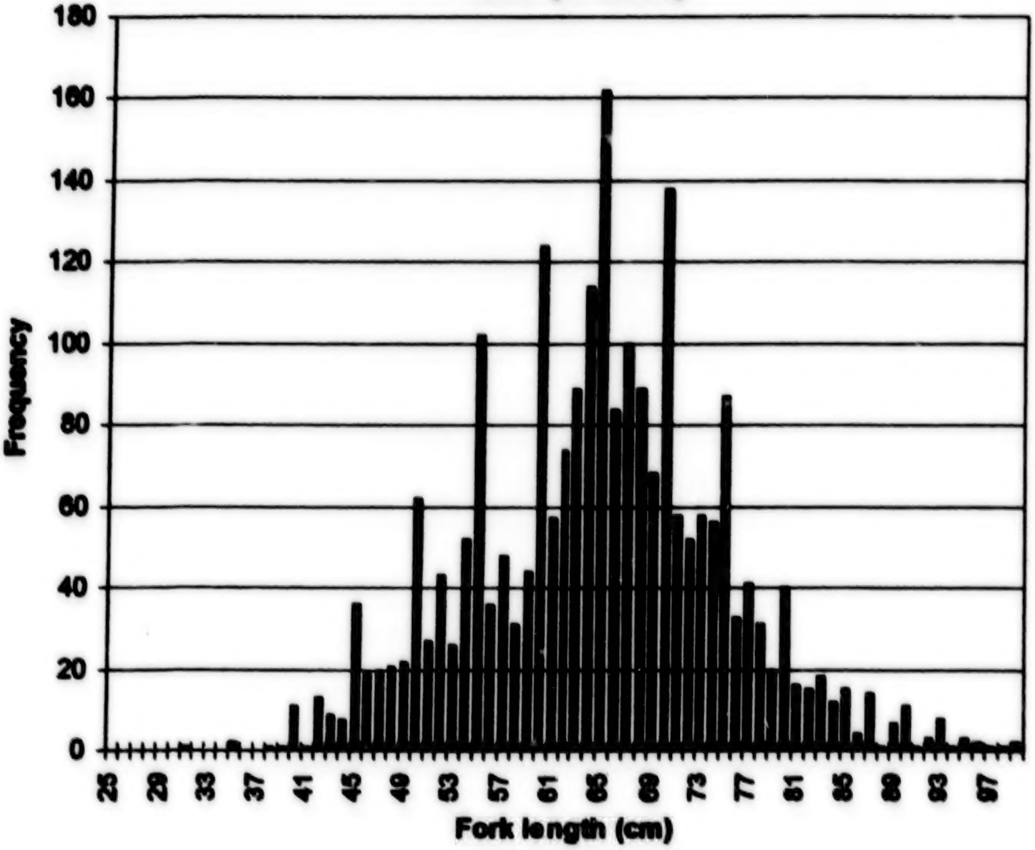
RESULTS AND DISCUSSION

Run Size and Composition

The fall-run chinook salmon escapement estimate for Bogus Creek in 1999 was 6,165 fish (Appendix 1). The results of the Petersen Mark Recapture estimate for the reach of Bogus Creek upstream of the weir was 5,318 salmon with a 95% lower confidence limit of 4,572 and an upper limit of 6,185 salmon. A direct count of 822 fall chinook salmon carcasses were observed in Reach 1. The number of fall chinook salmon spawners in Bogus Creek comprised approximately 34% of the total number of natural spawners that returned to the Klamath River Basin upstream of the Trinity River confluence in 1999.

Based on examination of the length frequency histogram developed from the carcass survey data collected, the Department estimated grilse to be ≤ 59 cm fork length and adults to be > 59 cm fork length (Figure 2). Based on this preliminary determination, the total escapement to Bogus was comprised of 1,673 (27%) grilse and 4,492 (73%) adults. The Karuk Tribal Fisheries Department

Figure 2. Length frequency histogram of spawning chinook salmon observed in Bogus Creek during carcasse surveys, 1999 (n=2346)



analyzed scale samples collected by Project personnel from chinook salmon observed at the fish marking weir and carcass survey efforts. Based on their analysis and subsequent discussions with the Technical Advisory Team to the Klamath Fisheries Management Council, grilse and adult percentages were adjusted. They determined that 43% of the chinook salmon escapement to Bogus Creek were grilse, with adults comprising the remaining 54% of the run. A copy of their report is provided in Appendix B. The Department used the percentage adopted by the Klamath River Technical Advisory Team to determine the

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Table [illegible] Estimated contribution [illegible] salmon to Bogus Creek [illegible]

Tag Code Group	Release Size (#/lb)	Release Date	Expansion Factor	Bogus Creek 1/ CWT Expansion Est.	Estimated Contribution
[illegible]					
0601020204	84	06/03/1996	3.41%	1	29
0601020205	84	06/03/1996	3.41%	1	29
0601020206	7.2	11/13/1996	22.70%	22	97
0601020207	7.2	11/12/1996	22.70%	19	84
				Subtotal	239
[illegible]					
0601020208	104	06/02/1997	3.72%	2	54
0601020209	141	06/02/1997	3.72%	13	350
0601020210	104	06/02/1997	3.72%	12	323
0601020211	141	06/02/1997	3.72%	3	81
063830	7.8	11/05/1997	8.76%	7	80
063831	7.8	11/05/1997	8.76%	4	46
				Subtotal	932
[illegible]					
0601020212	63	06/08/1998	3.78%	37	978
0601020213	63	06/08/1998	3.78%	5	132
0601020214	63	06/08/1998	3.78%	24	634
				Subtotal	1,744

Total Estimated Hatchery Contribution **2,916**

1/ cwt expansion to Bogus Creek was estimated through expansion of cwts observed in the carcass survey plus observed number of cwts recovered at the fish marking weir.

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Spawner Distribution

A description of the spawner distribution in Bogus Creek was determined from carcass survey information collected during the season. Carcass survey crews also recorded the number of live chinook salmon observed within each reach. This information allowed for comparison between the distribution of live chinook salmon observed and chinook salmon carcass recovery efforts. Information regarding the distribution of chinook salmon observed in Bogus Creek is presented in Table 3 and Figure 4.

[illegible]

	Reach Number			
	1	2A	2B	3A
Reach Len. (Miles)	0.25	1.83	1.11	0.29
Live Chinook	1387	1712	842	360
Carcasses	738	739	527	110
Density of Live Chinook (fish/mile)	5482	936	759	1241
Density of Chinook Carcasses (fish/mile)	2917	404	475	379

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Length Frequency Distribution

Fork length measurements were conducted on 2,346 of the chinook salmon carcasses recovered during carcass surveys. A length frequency histogram was constructed from the this data (see Figure 2). A nadir in the length frequency histogram occurs at 59 cm fork length. For the preliminary determination of the break point between grilse and adults, which is provided to the Klamath River Technical Advisory Team for harvest model development, Project biologists defined grilse as fish ≤ 59 cm fork length. Therefore, it was determined that grilse comprised approximately 27% of the run and adult chinook salmon comprised approximately 73% of the run.

As stated earlier in this report, scale analysis results provided by the Klamath River Technical Advisory Team forced a change in age class separation which departed from the length frequency interpretation presented here. They determined that 43% of the chinook salmon escapement to Bogus Creek were grilse, with adults comprising the remaining 54% of the run.

Sex Ratio

The ratio of male and female chinook salmon was determined from carcass survey data and carcasses that drifted back to the fish weir. From a total of 2,490 carcasses that were examined, 1,295 were males and 1,195 were females. Females comprised 48% of the sample and males comprised the remaining 52% of the sample (Figure 5).

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October, and 7 November. The female coho salmon passed through the weir on 13 October. The presence of left maxillary clips to these fish is uncertain. Future study efforts, beginning in the 2001 spawning season will examine all coho salmon for the presence or absence of a maxillary clip to eliminate uncertainty in future data collection efforts.

REFERENCES

Ricker, W. E. 1975. Computation and interpretation of biological statistics of fish populations. Bulletin of the Fisheries Research Board of Canada, Bulletin 191; Department of Fisheries and Oceans, Ottawa, Canada. 382 pp.

Prepared by: Mark Hampton Date: May 30/2001
Mark Hampton
Associate Biologist and Leader,
Klamath River Project

APPENDIX A

Fall-Run Chinook Salmon Escapement Estimate

Bogus Creek, 1999

Petersen Mark and Recapture estimate results for Bogus Creek, 1999

$M = 535$ = The number of chinook marked at the weir minus the number recovered in Reach 1.

$C = 1{,}656$ = The number of chinook carcasses that were examined in survey reaches 2, 3, and in the washback sample.

$R = 166$ = The number of punched carcasses found in Reaches 2, 3, and in the washback sample.

$$\text{Estimate} = \frac{(M+1)(C+1)}{(R+1)}$$

95% Confidence Intervals of R (From Ricker, 1975): $x_1 = 193.25$; $x_2 = 142.59$

Escapement Estimate For Reaches 2 and 3 = 5,318

Lower Limit = 4,572

Upper Limit = 6,185

Number of live chinook observed during last survey = 25

Chinook escapement estimate upstream of weir = 5,343

Plus number of chinook observed in Reach 1 = 822

Total estimated chinook salmon spawner escapement = 6,165

Based on the spawning ground survey (sgs) sample (n=2,346), grilse were estimated to be less than or equal to 59 cm forklength. Therefore, 636 (27.14%) of the 2,346 chinook sampled were grilse. Expansion of the estimated run size by grilse proportion estimated in the sgs yields an escapement estimate comprised of 1,673 grilse and 4,492 adults.

February 9, 2000

TO: Klamath River Technical Advisory Team

FROM: Yurok Tribal Fisheries Department
Hoopa Valley Tribal Fisheries Department

SUBJECT: 1999 Klamath River fall chinook age composition

Attached are the results of the Klamath-Trinity Basin age composition project for the 1999 fall chinook run. This project was a joint venture between the Hoopa Valley Tribe, the Yurok Tribe and the U.S. Fish and Wildlife Service (USFWS). The Hoopa Valley Tribe was responsible for scale analysis for the Trinity River, and the Yurok Tribe was responsible for the Klamath Basin. The U.S. Fish and Wildlife Service provided assistance to the Yurok Tribe.

A total of 9,472 scale samples from 14 different sampling locations were examined to estimate age composition for the total in-river run (Table 1). Scales were aged twice independently. A third aging was used as needed to resolve any discrepancies between the two primary readers. A total of 1,041 of the scale samples were unusable due to scale re-absorption, regeneration, missing scales, inconclusive age estimates or they were coded wire tagged (CWT) fish non-randomly sampled at Iron Gate Hatchery.

Scale samples from known-age CWT fish were aged to determine error associated with the Klamath River aging project. These scales were distributed throughout the Klamath Basin project, in an attempt to reflect error throughout the aging process. Of the Klamath Basin known-age scales aged, 91.2% (n=34) of the age 2 fish were correctly aged, 82.0% (n= 89) of the age 3 fish were correctly aged, 86.9% (n=137) of the age 4 fish were correctly aged and none (n=2) of the age 5 fish were aged correctly. Reader error was adjusted for bias using a maximum likelihood estimator described by Kimura and Chikuni (1987). The age 5 fish were not corrected as the small sample size rendered any correction questionable.

Analysis of scale reader error for the Trinity River samples indicated that scale readers aged known age fish with an overall accuracy rate of 92.6%. Approximately 3.6% of the known age 2 fish were read as age 3, 18.1% of the known age 3 fish were misread as age 4, 2.6% of the known age 4 fish were misread as age 3, and 100% of the known age 5 fish were misread as age 4 (n=2). Reader error was adjusted for bias using a maximum likelihood estimator described by Cook and Lord (1978) and Cook (1983). It should be noted however, that known age 5 fish were not corrected for bias. The uncorrected age 5 proportion was consistent with the proportion of known age 5 returns in relation to all known aged fish.

Two year old fish (jacks) numbers were taken from the final 1999 mega-table (CDFG 2000). The number of jacks recorded in the mega-table was primarily determined by using length-frequency distributions to determine the age 2 length cutoff. The proportion of fish belonging to age classes 3, 4, and 5 was adjusted so that the sum of all ages totaled 100%. Two exceptions were made to this method. The number of jacks from Iron Gate Hatchery (IGH) and Bogus Creek were determined using the results from the age composition project, as the method of determining the jack cutoff length in those areas was not consistent with the other areas. The IGH jack cutoff had been determined using only fish

Table 1. Scale sampling locations and numbers of samples provided for the 1999 Klamath River Fall chinook age composition.

Sampling Location	# Samples	Used	Not Used	Agency
Iron Gate Hatchery (IGH)	1,238	494	744	CDFG
Trinity River Hatchery (TRH)	1,687	1,670	17	HVT,CDFG
Salmon River Carcass Survey	122	115	7	USFS, CDFG
Scott River Carcass Survey	394	373	21	USFS, CDFG
Shasta River Weir & Carcass	441	428	13	USFS, CDFG
Bogus Creek Weir	735	692	43	CDFG
Willow Creek Weir	591	578	13	HVT,CDFG
Lower Klamath River Creel Census	890	861	29	CDFG
Upper Klamath River Creel Census	111	104	7	CDFG
Lower/Upper Trinity River Creel	190	183	7	HVT,CDFG
Hoopa Tribal Net Harvest	678	664	14	HVT
Yurok Tribal Net Harvest (Mouth to Hwy 101)	1,260	1,231	29	Yurok Tribe
Yurok Tribal Net Harvest (Hwy 101 to Surpur Creek)	278	267	11	Yurok Tribe
Yurok Tribal Net Harvest (Surper to Weitchpec)	1,898	1,812	86	Yurok Tribe
TOTALS	10,513	9,472	1,041	

Table 3. Age Composition (percentages) of the 1999 Klamath River fall chinook run using jack estimates from the CDFG "Megatable" and scale analysis for adults. [1]

	AGE				
SPAWNER ESCAPEMENT	2	3	4	5	Total
Hatchery Spawners					
Iron Gate Hatchery (IGH)	34%	55%	10%	1%	100%
Trinity River (TRH)	28%	33%	38%	0%	100%
Subtotals	32%	48%	19%	1%	100%
Natural Spawners					
Trinity River basin (above Willow Creek, excluding TRH)	40%	30%	30%	0%	100%
Salmon River basin	14%	50%	35%	1%	100%
Scott River basin	16%	61%	22%	1%	100%
Shasta River Basin	59%	21%	19%	0%	100%
Bogus Creek Basin	43%	54%	3%	0%	100%
Main Stem Klamath River (excluding IGH)	15%	67%	17%	1%	100%
Misc. Klamath Tributaries (above Hoopa and Yurok Reservations)	0.15521	0.50157	0.33451	0.0087	100%
Hoopa Reservation Tributaries	0%	45%	55%	0%	100%
Yurok Reservation Tributaries	23%	46%	31%	1%	100%
Subtotals	36%	42%	21%	0%	100%
Total Spawner Escapement	34%	45%	20%	1%	100%
IN-RIVER HARVEST					
Angler Harvest					
Klamath River (below Hwy 101 bridge)	18%	67%	13%	2%	100%
Klamath River (Hwy 101 to Coon Cr. Falls)	44%	46%	9%	1%	100%
Klamath River (Coon Cr. Falls to IGH)	17%	77%	5%	2%	100%
Trinity River basin (above Weitchpec)	33%	26%	41%	1%	100%
Subtotals	35%	50%	14%	1%	100%
Indian Net Harvest					
Klamath River(below Hwy 101)	3%	36%	54%	7%	100%
Klamath River(Hwy 101 to Trinity mouth)	4%	38%	51%	7%	100%
Trinity River(Hoopa Reservation)	4%	15%	80%	2%	100%
Subtotals	4%	33%	58%	6%	100%
Total In-river Harvest	10%	36%	50%	5%	100%
IN-RIVER RUN					
Totals					
In-River Harvest and Escapement	28%	42%	28%	2%	100%
Angling Mortality (2% of harvest)	35%	50%	14%	1%	100%
Net Mortality (8% of harvest)	4%	33%	58%	6%	100%
Total In-river Run	27%	42%	29%	2%	100%

1. Iron Gate Hatchery and Bogus Creek used the jack proportions as determined by scale analysis.

Bogus Creek, 1999
Spawning Ground Survey Computer Data

California Department of Fish and Game
Klamath River Project
Yreka, CA

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
21-Oct	1	KS	2	81	F	Y	N	N			42
21-Oct	1	KS	2	80	F	Y	N	Y	??		42
21-Oct	1	KS	2	80	F	Y	N	Y	??		42
21-Oct	1	KS	2	89	M		N	N			42
21-Oct	1	KS	1	98	M		N	N			42
21-Oct	1	KS	2	77	F	Y	N	N			42
21-Oct	1	KS	2	80	F	Y	N	N			42
21-Oct	1	KS	1	65	F	Y	N	N			42
21-Oct	1	KS	2	80	F	Y	N	N			42
21-Oct	1	KS	1	75	M		N	N			42
21-Oct	1	KS	3	81	F	Y	N	N			42
21-Oct	1	KS	1	97	M		N	N			42
21-Oct	1	KS	1	74	F	N	N	N			42
21-Oct	1	KS	1	78	F	Y	N	N			42
21-Oct	1	KS	2	65	F	Y	N	N			42
21-Oct	1	KS	1	76	F	Y	N	N			42
21-Oct	1	KS	2	52	M		N	N			42
21-Oct	1	KS	1	77	F	Y	N	N			42
21-Oct	1	KS	1	91	M		N	N			42
21-Oct	1	KS	1	73	F	Y	N	N			42
21-Oct	1	KS	2	73	F	Y	N	Y	??		42
21-Oct	1	KS	1	81	F	Y	N	N			42
21-Oct	1	KS	2	65	F	Y	N	N			42
21-Oct	1	KS	1	89	M		N	N			42
21-Oct	1	KS	1	73	F	N	N	N			42
21-Oct	1	KS	1	82	M		N	N			42
21-Oct	1	KS	1	85	F	Y	N	Y			42
21-Oct	1	KS	2	73	F	Y	N	N			42
21-Oct	1	KS	2	64	F	Y	N	N			42
21-Oct	1	KS	2	81	M		N	N			42
21-Oct	1	KS	2	75	M		N	N			42
21-Oct	1	KS	1	90	M		N	N			42
21-Oct	1	KS	2	72	F	Y	N	N			42
21-Oct	1	KS	1	69	F	N	N	N			42
21-Oct	1	KS	2	63	F	Y	N	N			42
21-Oct	1	KS	1	76	M		N	N			42
21-Oct	1	KS	1	63	F	Y	N	N			42
21-Oct	1	KS	1	74	F	Y	N	N			42
21-Oct	1	KS	2	83	M		N	N			42
21-Oct	1	KS	2	81	M		N	N			42
21-Oct	1	KS	1	87	M		N	N			42
21-Oct	1	KS	2	80	F	N	N	N			42
21-Oct	1	KS	1	81	M		N	N			42
21-Oct	1	KS	1	87	M		N	N			42
21-Oct	1	KS	1	71	F	Y	N	N			42
21-Oct	1	KS	2	69	F	Y	N	N			42
21-Oct	1	KS	1	81	M		N	N			42
21-Oct	1	KS	1	66	F	Y	N	N			42
21-Oct	1	KS	1	75	M		N	N			42
21-Oct	2A	KS	1	77	M		N	N		250	42

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
25-Oct	1	KS	1	76	M		N	N			43
25-Oct	1	KS	1	78	M		N	N			43
25-Oct	1	KS	2	74	M		N	N			43
25-Oct	1	KS	1	80	F	N	N	Y	132958		43
25-Oct	1	KS	1	62	F	Y	N	N			43
25-Oct	1	KS	1	65	F	Y	N	N			43
25-Oct	1	KS	2	66	F	Y	N	N			43
25-Oct	1	KS	1	83	M		N	N			43
25-Oct	1	KS	2	77	F	Y	N	N			43
25-Oct	1	KS	2	78	M		N	N			43
25-Oct	1	KS	1	71	F	Y	N	N			43
25-Oct	1	KS	1	66	F	N	N	Y	132948		43
25-Oct	1	KS	1	67	F	Y	N	N			43
25-Oct	1	KS	1	70	M		N	N			43
25-Oct	1	KS	1	71	M		N	N			43
25-Oct	1	KS	1	69	M		N	N			43
25-Oct	1	KS	1	55	M		N	N			43
25-Oct	1	KS	2	68	F	Y	N	N			43
25-Oct	1	KS	1	58	F	Y	N	N			43
25-Oct	1	KS	2	89	M		N	N			43
25-Oct	1	KS	2	67	F	Y	N	N			43
25-Oct	1	KS	1	73	M		N	N			43
25-Oct	1	KS	1	72	M		N	N			43
25-Oct	1	KS	1	71	F	Y	N	N			43
25-Oct	1	KS	2	65	F	Y	N	N			43
25-Oct	1	KS	1	78	F	Y	N	N			43
25-Oct	1	KS	1	70	M		N	N			43
25-Oct	1	KS	2	79	M		N	N			43
25-Oct	1	KS	2	68	F	Y	N	N			43
25-Oct	1	KS	1	73	M		N	N			43
25-Oct	1	KS	1	82	M		N	N			43
25-Oct	1	KS	1	84	M		N	N			43
25-Oct	1	KS	2	67	F	Y	N	N			43
25-Oct	1	KS	1	57	M		N	N			43
25-Oct	1	KS	2	89	M		N	N			43
25-Oct	1	KS	1	63	F	Y	N	N			43
25-Oct	1	KS	2	83	M		N	N			43
25-Oct	1	KS	1	74	M		N	N			43
25-Oct	1	KS	1	63	F	Y	N	N			43
25-Oct	1	KS	1	87	F	Y	N	N			43
25-Oct	1	KS	1	67	F	Y	N	N			43
25-Oct	1	KS	2	74	F	Y	N	N			43
25-Oct	1	KS	1	65	F	Y	N	Y	132976		43
25-Oct	1	KS	1	75	M		N	N			43
25-Oct	1	KS	1	63	F	Y	N	N			43
25-Oct	1	KS	1	70	M		N	N			43
25-Oct	1	KS	2	83	M		N	N			43
25-Oct	1	KS	1	82	M		N	N			43
25-Oct	1	KS	1	60	F	Y	N	N			43
25-Oct	1	KS	1	60	F	Y	N	N			43

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
25-Oct	2A	KS	1	83	M		N	N			43
25-Oct	2A	KS	1	81	F	Y	N	N			43
25-Oct	2A	KS	1	82	M		Y	N			43
25-Oct	2A	KS	1	67	F	Y	N	N			43
25-Oct	2A	KS	1	69	M		N	N			43
25-Oct	2A	KS	2	74	M		N	N			43
25-Oct	2A	KS	1	75	F	Y	N	N			43
25-Oct	2A	KS	1	71	F	Y	N	N			43
25-Oct	2A	KS	1	71	F	Y	N	N			43
25-Oct	2A	KS	1	84	M		N	N			43
25-Oct	2A	KS	1	60	F	Y	N	N			43
25-Oct	2A	KS	1	68	F	Y	N	N			43
25-Oct	2A	KS	1	77	M		N	N			43
25-Oct	2A	KS	1	78	F	Y	N	N			43
25-Oct	2A	KS	1	53	M		Y	N			43
25-Oct	2A	KS	1	60	F	Y	N	N			43
25-Oct	2A	KS	1	58	M		N	N			43
25-Oct	2A	KS	1	70	F	Y	N	N			43
25-Oct	2A	KS	1	71	M		Y	N			43
25-Oct	2A	KS	1	57	F	Y	N	N			43
25-Oct	2A	KS	1	71	F	Y	N	N			43
25-Oct	2A	KS	1	77	F	Y	N	N			43
25-Oct	2A	KS	1	62	M		N	N			43
25-Oct	2A	KS	2	80	M		N	N			43
25-Oct	2A	KS	1	67	F	Y	Y	N			43
25-Oct	2A	KS	2	93	M		N	N			43
25-Oct	2A	KS	1	54	M		N	N			43
25-Oct	2A	KS	2	73	F	Y	N	N			43
25-Oct	2A	KS	1	62	M		N	N			43
25-Oct	2A	KS	1	48	M		N	N			43
25-Oct	2A	KS	1	73	M		N	N			43
25-Oct	2A	KS	1	66	F	Y	N	N			43
25-Oct	2A	KS	2	59	M		N	N			43
25-Oct	2A	KS	1	65	M		N	N			43
25-Oct	2A	KS	1	82	M		N	N			43
25-Oct	2A	KS	1	71	M		N	N			43
25-Oct	2A	KS	1	90	M		N	N			43
25-Oct	2A	KS	1	76	M		N	N			43
25-Oct	2A	KS	2	74	M		N	N			43
25-Oct	2A	KS	1	50	M		N	N			43
25-Oct	2A	KS	1	66	M		N	N			43
25-Oct	2A	KS	2	49	F	Y	Y	N			43
25-Oct	2A	KS	2	76	M		N	N			43
25-Oct	2A	KS	1	73	F	Y	N	N			43
25-Oct	2A	KS	1	80	M		N	N			43
25-Oct	2A	KS	1	80	F	Y	N	N			43
25-Oct	2A	KS	1	85	M		Y	N			43
25-Oct	2A	KS	1	72	F	Y	N	N			43
25-Oct	2B	KS	2	80	M		N	N		13	43
25-Oct	2B	KS	1	75	M		N	N			43

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
10/28/1999	1	KS	2	68	F	Y	N	N			43
10/28/1999	1	KS	1	98	M		N	N			43
10/28/1999	1	KS	1	73	M		N	N			43
10/28/1999	1	KS	1	77	F	Y	N	N			43
10/28/1999	1	KS	2	54	M		N	N			43
10/28/1999	1	KS	1	60	F	Y	N	N			43
10/28/1999	1	KS	1	64	F	Y	N	N			43
10/28/1999	1	KS	2	60	F	Y	N	N			43
10/28/1999	1	KS	1	58	F	Y	N	N			43
10/28/1999	1	KS	1	58	M		N	N			43
10/28/1999	1	KS	1	73	F	Y	N	N			43
10/28/1999	1	KS	2	57	M		N	N			43
10/28/1999	1	KS	2	67	M		N	N			43
10/28/1999	1	KS	2	80	M		N	N			43
10/28/1999	1	KS	1	38	M		N	N			43
10/28/1999	1	KS	1	43	M		N	N			43
10/28/1999	1	KS	1	70	F	Y	N	N			43
10/28/1999	1	KS	1	93	M		N	N			43
10/28/1999	1	KS	1	74	F	Y	N	N			43
10/28/1999	1	KS	2	64	F	Y	N	N			43
10/28/1999	1	KS	1	67	F	Y	N	N			43
10/28/1999	1	KS	1	70	M		N	N			43
10/28/1999	1	KS	1	52	M		N	N			43
10/28/1999	1	KS	1	57	F	Y	N	N			43
10/28/1999	1	KS	1	75	F	Y	N	N			43
10/28/1999	1	KS	1	51	M		N	N			43
10/28/1999	1	KS	2	62	F	Y	N	N			43
10/28/1999	1	KS	1	65	M		N	N			43
10/28/1999	1	KS	1	59	F	Y	N	N			43
10/28/1999	1	KS	1	68	F	Y	N	N			43
10/28/1999	1	KS	1	60	F	Y	N	N			43
10/28/1999	1	KS	2	68	M		N	N			43
10/28/1999	1	KS	1	77	M		N	Y	133084		43
10/28/1999	1	KS	1	54	M		N	N			43
10/28/1999	1	KS	1	73	M		N	N			43
10/28/1999	1	KS	2	71	M		N	N			43
10/28/1999	1	KS	1	71	F	Y	N	N			43
10/28/1999	1	KS	2	69	F	Y	N	N			43
10/28/1999	1	KS	1	62	M		N	N			43
10/28/1999	1	KS	2	67	F	Y	N	N			43
10/28/1999	1	KS	1	66	F	Y	N	N			43
10/28/1999	1	KS	1	71	F	Y	N	N			43
10/28/1999	1	KS	1	70	F	Y	N	N			43
10/28/1999	1	KS	2	70	F	Y	N	N			43
10/28/1999	1	KS	2	73	M		N	N			43
10/28/1999	1	KS	2	77	M		N	N			43
10/28/1999	1	KS	2	67	M		N	N			43
10/28/1999	1	KS	2	70	F	Y	N	N			43
10/28/1999	1	KS	1	66	M		N	N			43
10/28/1999	1	KS	2	80	M		N	N			43

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
10/28/1999	1	KS	1	78	M		Y	N			43
10/28/1999	1	KS	1	72	F	Y	N	N			43
10/28/1999	1	KS	2	50	M		N	N			43
10/28/1999	1	KS	1	75	F	Y	N	N			43
10/28/1999	1	KS	2	75	M		N	N			43
10/28/1999	1	KS	1	67	F	Y	N	N			43
10/28/1999	1	KS	2	65	F	Y	N	N			43
10/28/1999	1	KS	2	74	F	Y	N	N			43
10/28/1999	1	KS	1	46	M		N	N			43
10/28/1999	1	KS	2	69	M		N	N			43
10/28/1999	1	KS	2	68	F	Y	N	N			43
10/28/1999	1	KS	1	66	F	Y	N	N			43
10/28/1999	1	KS	1	74	M		N	N			43
10/28/1999	1	KS	2	66	F	Y	N	N			43
10/28/1999	1	KS	1	67	F	Y	N	N			43
10/28/1999	1	KS	2	61	F	Y	N	N			43
10/28/1999	1	KS	2	57	M		N	N			43
10/28/1999	1	KS	1	71	F	Y	N	Y	133994		43
10/28/1999	2A	KS	1	60	M		N	N		340	43
10/28/1999	2A	KS	2	63	F	Y	N	N			43
10/28/1999	2A	KS	2	64	F	Y	N	N			43
10/28/1999	2A	KS	1	65	F	Y	N	N			43
10/28/1999	2A	KS	1	66	M		N	N			43
10/28/1999	2A	KS	2	66	F	Y	N	N			43
10/28/1999	2A	KS	1	68	F	Y	Y	N			43
10/28/1999	2A	KS	1	72	M		N	N			43
10/28/1999	2A	KS	1	96	M		N	N			43
10/28/1999	2A	KS	1	77	F	Y	N	N			43
10/28/1999	2A	KS	1	68	M		N	N			43
10/28/1999	2A	KS	1	74	M		N	N			43
10/28/1999	2A	KS	2	80	F	Y	Y	N			43
10/28/1999	2A	KS	2	99	M		N	N			43
10/28/1999	2A	KS	1	71	M		N	N			43
10/28/1999	2A	KS	1	77	M		N	N			43
10/28/1999	2A	KS	2	63	F	Y	N	N			43
10/28/1999	2A	KS	2	72	M		N	N			43
10/28/1999	2A	KS	1	67	M		N	N			43
10/28/1999	2A	KS	1	54	M		N	N			43
10/28/1999	2A	KS	1	63	M		N	N			43
10/28/1999	2A	KS	1	64	F	Y	N	N			43
10/28/1999	2A	KS	1	75	M		N	N			43
10/28/1999	2A	KS	1	48	M		N	N			43
10/28/1999	2A	KS	2	63	F	Y	N	N			43
10/28/1999	2A	KS	2	57	F	Y	Y	N			43
10/28/1999	2A	KS	1	69	F	Y	N	N			43
10/28/1999	2A	KS	1	65	F	Y	N	N			43
10/28/1999	2A	KS	1	68	M		N	N			43
10/28/1999	2A	KS	1	63	M		N	N			43
10/28/1999	2A	KS	1	67	F	Y	N	N			43
10/28/1999	2A	KS	1	59	F	Y	N	N			43

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
10/28/1999	2A	KS	1	72	F	Y	N	N			43
10/28/1999	2A	KS	1	82	M		N	N			43
10/28/1999	2A	KS	1	74	F	Y	N	N			43
10/28/1999	2A	KS	1	75	M		Y	N			43
10/28/1999	2A	KS	1	72	F	Y	N	N			43
10/28/1999	2A	KS	1	76	M		Y	N			43
10/28/1999	2A	KS	1	65	F	Y	N	N			43
10/28/1999	2A	KS	1	85	F	Y	N	N			43
10/28/1999	2A	KS	1	64	F	Y	N	N			43
10/28/1999	2A	KS	1	84	F	Y	N	N			43
10/28/1999	2A	KS	1	74	F	Y	N	N			43
10/28/1999	2A	KS	2	70	M		N	N			43
10/28/1999	2A	KS	1	87	M		N	Y	133942		43
10/28/1999	2A	KS	2	60	F	Y	N	N			43
10/28/1999	2A	KS	1	70	M		N	N			43
10/28/1999	2A	KS	1	65	F	Y	N	N			43
10/28/1999	2A	KS	1	73	F	Y	N	N			43
10/28/1999	2A	KS	1	65	M		N	N			43
10/28/1999	2A	KS	1	67	F	Y	Y	N			43
10/28/1999	2A	KS	1	93	M		N	N			43
10/28/1999	2A	KS	1	69	F	Y	N	N			43
10/28/1999	2B	KS	1	70	M		N	N		157	43
10/28/1999	2B	KS	1	59	F	Y	N	Y	133996		43
10/28/1999	2B	KS	2	75	M		N	Y	133997		43
10/28/1999	2B	KS	2	70	F	Y	Y	N			43
10/28/1999	2B	KS	1	71	M		N	N			43
10/28/1999	2B	KS	1	67	F	Y	N	N			43
10/28/1999	2B	KS	1	99	M		N	N			43
10/28/1999	2B	KS	2	70	M		N	N			43
10/28/1999	2B	KS	1	93	M		N	N			43
10/28/1999	2B	KS	1	77	M		N	N			43
10/28/1999	2B	KS	1	70	M		N	N			43
10/28/1999	2B	KS	1	77	F	Y	N	N			43
10/28/1999	2B	KS	2	87	M		N	N			43
10/28/1999	2B	KS	1	65	M		N	?			43
10/28/1999	2B	KS	1	73	M		Y	N			43
10/28/1999	2B	KS	1	83	M		N	N			43
10/28/1999	2B	KS	1	79	F	Y	N	N			43
10/28/1999	2B	KS	1	93	M		N	N			43
10/28/1999	2B	KS	2	75	M		N	N			43
10/28/1999	2B	KS	1	59	M		N	N			43
10/28/1999	2B	KS	1	84	F	Y	N	N			43
10/28/1999	2B	KS	2	64	F	Y	N	N			43
10/28/1999	2B	KS	1	73	F	Y	N	N			43
10/28/1999	2B	KS	1	62	M		Y	N			43
10/28/1999	2B	KS	1	61	F	Y	N	N			43
10/28/1999	2B	KS	1	80	M		Y	N			43
10/28/1999	2B	KS	1	84	M		N	N			43
10/28/1999	2B	KS	2	65	M		N	N			43
10/28/1999	2B	KS	1	76	F	Y	N	N			43

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/01/1999	1	KS	2	63	F	Y	N	N			44
11/01/1999	1	KS	2	68	M		N	N			44
11/01/1999	1	KS	2	64	F	Y	Y	N			44
11/01/1999	1	KS	2	65	M		N	N			44
11/01/1999	1	KS	2	67	F	Y	N	N			44
11/01/1999	1	KS	2	71	F	Y	N	N			44
11/01/1999	1	KS	2	63	M		N	N			44
11/01/1999	1	KS	1	64	M		N	N			44
11/01/1999	1	KS	2	52	M		N	N			44
11/01/1999	1	KS	1	76	M		N	N			44
11/01/1999	1	KS	2	63	F	Y	N	N			44
11/01/1999	1	KS	2	77	M		N	Y	55137		44
11/01/1999	1	KS	2	73	F	Y	N	N			44
11/01/1999	1	KS	2	71	M		N	N			44
11/01/1999	1	KS	2	67	F	Y	N	Y	56390		44
11/01/1999	1	KS	1	69	M		N	N			44
11/01/1999	1	KS	2	64	F	Y	N	N			44
11/01/1999	1	KS	1	64	M		N	N			44
11/01/1999	1	KS	1	63	F	Y	N	N			44
11/01/1999	1	KS	2	55	F	Y	Y	N			44
11/01/1999	1	KS	1	67	M		N	N			44
11/01/1999	1	KS	2	62	M		N	N			44
11/01/1999	1	KS	2	63	F	Y	N	N			44
11/01/1999	1	KS	1	57	F	Y	N	N			44
11/01/1999	1	KS	1	73	M		N	N			44
11/01/1999	1	KS	2	66	M		N	N			44
11/01/1999	1	KS	2	66	F	Y	N	N			44
11/01/1999	1	KS	1	68	F	Y	N	N			44
11/01/1999	1	KS	1	50	M		N	N			44
11/01/1999	1	KS	2	67	F	Y	N	N			44
11/01/1999	1	KS	2	65	F	Y	N	N			44
11/01/1999	1	KS	2	80	M		N	N			44
11/01/1999	1	KS	2	80	F	Y	N	N			44
11/01/1999	1	KS	1	68	F	Y	N	N			44
11/01/1999	1	KS	2	77	M		N	N			44
11/01/1999	1	KS	1	58	F	Y	N	N			44
11/01/1999	1	KS	2	54	F	Y	N	N			44
11/01/1999	1	KS	1	51	F	Y	N	N			44
11/01/1999	1	KS	2	64	F	Y	N	N			44
11/01/1999	1	KS	1	65	M		N	N			44
11/01/1999	1	KS	2	70	M		N	N			44
11/01/1999	1	KS	1	73	F	Y	N	N			44
11/01/1999	1	KS	2	77	M		N	N			44
11/01/1999	1	KS	1	61	M		N	N			44
11/01/1999	1	KS	2	74	F	Y	N	N			44
11/01/1999	1	KS	1	60	M		N	N			44
11/01/1999	1	KS	2	59	F	Y	N	N			44
11/01/1999	1	KS	1	58	F	Y	N	N			44
11/01/1999	1	KS	2	75	F	Y	N	N			44
11/01/1999	1	KS	1	63	F	Y	N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/01/1999	1	KS	1	66	F	Y	N	N			44
11/01/1999	1	KS	1	49	M		N	N			44
11/01/1999	1	KS	1	70	F	Y	N	N			44
11/01/1999	1	KS	1	60	F	Y	N	N			44
11/01/1999	1	KS	1	40	M		N	N			44
11/01/1999	1	KS	1	90	F	Y	N	N			44
11/01/1999	1	KS	1	55	M		N	Y	56394		44
11/01/1999	1	KS	2	40	M		Y	N			44
11/01/1999	1	KS	2	65	M		N	Y	56392		44
11/01/1999	1	KS	1	65	F	Y	N	N			44
11/01/1999	1	KS	1	54	M		N	N			44
11/01/1999	1	KS	2	64	F	Y	N	N			44
11/01/1999	1	KS	1	68	M		N	N			44
11/01/1999	1	KS	1	53	F	Y	N	N			44
11/01/1999	2	KS		65	M		N	N		375	44
11/01/1999	2	KS	2	70	F	Y	N	N			44
11/01/1999	2	KS	1	74	M		Y	N			44
11/01/1999	2	KS	1	73	F	Y	N	N			44
11/01/1999	2	KS	2	95	M		N	N			44
11/01/1999	2	KS	1	85	F	Y	N	N			44
11/01/1999	2	KS	1	69	M		N	N			44
11/01/1999	2	KS	1	71	M		N	N			44
11/01/1999	2	KS	1	54	F	Y	N	N			44
11/01/1999	2	KS	1	70	M		N	N			44
11/01/1999	2	KS	1	70	M		N	N			44
11/01/1999	2	KS	1	60	F	Y	N	N			44
11/01/1999	2	KS	1	80	M		N	N			44
11/01/1999	2	KS	2	56	M		N	N			44
11/01/1999	2	KS	1	73	F	Y	Y	N			44
11/01/1999	2	KS	1	74	M		N	N			44
11/01/1999	2	KS	1	65	M		N	N			44
11/01/1999	2	KS	1	75	M		Y	N			44
11/01/1999	2	KS	1	75	M		N	N			44
11/01/1999	2	KS	1	54	M		N	N			44
11/01/1999	2	KS	1	58	M		N	N			44
11/01/1999	2	KS	1	55	F	Y	N	N			44
11/01/1999	2	KS	1	77	M		N	N			44
11/01/1999	2	KS	1	80	M		N	N			44
11/01/1999	2	KS	1	66	M		N	N			44
11/01/1999	2	KS	1	69	M		N	N			44
11/01/1999	2	KS	1	82	M		N	N			44
11/01/1999	2	KS	2	55	M		N	N			44
11/01/1999	2	KS	1	58	M		N	N			44
11/01/1999	2	KS	2	70	F	Y	N	N			44
11/01/1999	2	KS	1	65	F	Y	N	N			44
11/01/1999	2	KS	1	55	M		N	N			44
11/01/1999	2	KS	1	61	M		Y	N			44
11/01/1999	2	KS	1	58	F	Y	N	Y	133990		44
11/01/1999	2	KS	1	73	F	Y	N	N			44
11/01/1999	2	KS	1	70	F	Y	N	N			44

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/01/1999	2	KS	2	63	F	Y	N	N			44
11/01/1999	2	KS	1	70	M		N	N			44
11/01/1999	2	KS	1	70	M		N	Y			44
11/01/1999	2	KS	1	68	F	N	N	N			44
11/01/1999	2	KS	2	69	F	Y	Y	N			44
11/01/1999	2	KS	1	50	M		N	N			44
11/01/1999	2	KS	1	62	F	Y	N	N			44
11/01/1999	2	KS	2	47	M		N	N			44
11/01/1999	2	KS	1	72	M		N	N			44
11/01/1999	2	KS	1	69	F	Y	N	N			44
11/01/1999	2	KS	1	62	F	Y	N	Y			44
11/01/1999	2	KS	2	64	M		N	N			44
11/01/1999	2	KS	1	63	F	Y	N	Y	133992		44
11/01/1999	2	KS	2	79	F	Y	N	N			44
11/01/1999	2	KS	2	74	M		N	N			44
11/01/1999	2	KS	1	65	F	Y	Y	N			44
11/01/1999	2	KS	1	62	F	Y	N	N			44
11/01/1999	2	KS	1	75	M		N	N			44
11/01/1999	2	KS	1	85	M		N	N			44
11/01/1999	2	KS	1	67	F	Y	Y	N			44
11/01/1999	2	KS	2	65	F	Y	N	N			44
11/01/1999	2	KS	1	85	M		N	N			44
11/01/1999	2	KS	2	60	M		N	N			44
11/01/1999	2	KS	1	49	M		N	N			44
11/01/1999	2	KS	2	65	F	Y	N	N			44
11/01/1999	2	KS	2	85	M		N	N			44
11/01/1999	2	KS	2	75	F	Y	N	N			44
11/01/1999	2	KS	2	63	F	Y	Y	N			44
11/01/1999	2	KS	1	64	M		N	N			44
11/01/1999	2	KS	1	60	F	Y	N	N			44
11/01/1999	2	KS	2	75	F	Y	N	N			44
11/01/1999	2	KS	1	64	F	Y	N	N			44
11/01/1999	2	KS	1	64	F	Y	N	N			44
11/01/1999	2	KS	1	42	M		N	N			44
11/01/1999	2	KS	2	55	F	Y	Y	N			44
11/01/1999	2	KS	2	62	F	Y	N	N			44
11/01/1999	2	KS	1	60	F	N	N	N			44
11/01/1999	2	KS	1	65	F	Y	N	N			44
11/01/1999	2	KS	1	63	M		N	N			44
11/01/1999	2	KS	1	65	F	Y	N	N			44
11/01/1999	2	KS	2	67	F	Y	Y	N			44
11/01/1999	2	KS	1	70	M		N	N			44
11/01/1999	2	KS	1	69	M		N	N			44
11/01/1999	2	KS	2	60	F	Y	N	N			44
11/01/1999	2	KS	2	75	F	Y	N	N			44
11/01/1999	2	KS	1	65	M		N	N			44
11/01/1999	2	KS	1	52	F	Y	N	N			44
11/01/1999	2	KS	1	64	M		N	N			44
11/01/1999	2	KS	1	70	F	Y	N	N			44
11/01/1999	2	KS	2	64	F	Y	N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/01/1999	2	KS	1	71	M		N	N			44
11/01/1999	2	KS	2	50	M		N	N			44
11/01/1999	2	KS	2	75	M		N	N			44
11/01/1999	2	KS	1	64	M		N	N			44
11/01/1999	2	KS	1	60	F	Y	N	N			44
11/01/1999	2	KS	2	65	F	Y	N	N			44
11/01/1999	2	KS	2	61	F	Y	Y	N			44
11/01/1999	2	KS	1	60	F	Y	N	N			44
11/01/1999	2	KS	1	45	M		N	N			44
11/01/1999	2	KS	1	60	F	Y	N	N			44
11/01/1999	2	KS	2	58	F	Y	N	N			44
11/01/1999	2	KS	1	52	F	Y	N	N			44
11/01/1999	2	KS	2	60	F	Y	N	N			44
11/01/1999	2A	KS	2	73	F	Y	N	N		75	44
11/01/1999	2A	KS	2	75	F	Y	N	N			44
11/01/1999	2A	KS	2	58	M		N	N			44
11/01/1999	2A	KS	2	59	F	Y	N	N			44
11/01/1999	2A	KS	1	79	M		N	N			44
11/01/1999	2A	KS	1	60	M		N	N			44
11/01/1999	2A	KS	2	78	M		N	N			44
11/01/1999	2A	KS	2	70	M		N	N			44
11/01/1999	2A	KS	2	69	F	Y	N	N			44
11/01/1999	2A	KS	2	71	M		N	N			44
11/01/1999	2A	KS	2	68	F	Y	N	N			44
11/01/1999	2A	KS	2	64	F	Y	N	N			44
11/01/1999	2A	KS	2	63	M		N	N			44
11/01/1999	2A	KS	2	64	F	Y	N	N			44
11/01/1999	2A	KS	2	63	F	Y	N	N			44
11/01/1999	2A	KS	2	54	M		Y	N			44
11/01/1999	2A	KS	2	71	F	Y	N	N			44
11/01/1999	2A	KS	1	61	F	Y	N	N			44
11/01/1999	2A	KS	2	67	M		N	N			44
11/01/1999	2A	KS	1	63	F	Y	N	N			44
11/01/1999	2A	KS	1	63	M		N	N			44
11/01/1999	2A	KS	1	70	M		N	N			44
11/01/1999	2A	KS	2	57	F	Y	N	N			44
11/01/1999	2A	KS	2	69	M		N	N			44
11/01/1999	2A	KS	1	67	M		Y	N			44
11/01/1999	2A	KS	1	55	F	Y	N	N			44
11/01/1999	2A	KS	1	56	M		N	N			44
11/01/1999	2A	KS	2	55	F	Y	N	N			44
11/01/1999	2A	KS	2	60	F	Y	N	N			44
11/01/1999	2A	KS	2	63	F	Y	N	N			44
11/01/1999	2A	KS	1	65	F	Y	N	N			44
11/01/1999	2A	KS	1	61	F	Y	N	N			44
11/01/1999	2A	KS	2	63	F	Y	N	N			44
11/01/1999	2A	KS	2	64	F	Y	N	N			44
11/01/1999	2A	KS	2	74	F	Y	N	N			44
11/01/1999	2A	KS	1	67	M		N	N			44
11/01/1999	2A	KS	1	62	F	Y	N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/01/1999	2A	KS	2	40	F	Y	N	N			44
11/01/1999	2A	KS	2	78	M		N	N			44
11/01/1999	2A	KS	2	71	F	Y	N	Y	55142		44
11/01/1999	3A	KS	2	80	M		N	N		43	44
11/01/1999	3A	KS	1	60	F	Y	N	N			44
11/01/1999	3A	KS	1	71	M		N	N			44
11/01/1999	3A	KS	1	65	M		N	N			44
11/01/1999	3A	KS	1	60	F	Y	N	N			44
11/01/1999	3A	KS	1	73	M		N	N			44
11/01/1999	3A	KS	1	65	M		N	N			44
11/01/1999	3A	KS	1	80	M		Y	N			44
11/01/1999	3A	KS	2	73	M		Y	N			44
11/01/1999	3A	KS	1	78	M		Y	N			44
11/01/1999	3A	KS	1	68	F	Y	N	N			44
11/01/1999	3A	KS	1	72	F	Y	N	N			44
11/01/1999	3A	KS	2	65	F	Y	N	N			44
11/01/1999	3A	KS	1	60	F	Y	N	N			44
11/01/1999	3A	KS	1	53	F	Y	N	N			44
11/04/1999	1	KS	1	79	M		N	N		388	44
11/04/1999	1	KS	1	78	F	Y	N	N			44
11/04/1999	1	KS	1	65	M		N	N			44
11/04/1999	1	KS	2	70	M		N	N			44
11/04/1999	1	KS	2	69	M		N	N			44
11/04/1999	1	KS	2	66	M		N	N			44
11/04/1999	1	KS	2	64	F	Y	N	N			44
11/04/1999	1	KS	1	57	F	Y	N	N			44
11/04/1999	1	KS	1	55	F	Y	N	N			44
11/04/1999	1	KS	1	69	M		N	N			44
11/04/1999	1	KS	1	48	M		N	N			44
11/04/1999	1	KS	1	68	F	Y	N	N			44
11/04/1999	1	KS	1	70	M		N	N			44
11/04/1999	1	KS	2	68	F	Y	N	N			44
11/04/1999	1	KS	1	65	F	Y	N	N			44
11/04/1999	1	KS	2	79	F	Y	N	N			44
11/04/1999	1	KS	1	70	F	Y	N	N			44
11/04/1999	1	KS	1	69	F	Y	N	N			44
11/04/1999	1	KS	1	62	M		N	N			44
11/04/1999	1	KS	1	59	F	Y	N	Y	132417		44
11/04/1999	1	KS	2	83	M		N	N			44
11/04/1999	1	KS	2	71	F	Y	N	N			44
11/04/1999	1	KS	2	77	M		N	N			44
11/04/1999	1	KS	1	51	F	Y	N	N			44
11/04/1999	1	KS	1	70	M		N	N			44
11/04/1999	1	KS	1	73	F	Y	N	N			44
11/04/1999	1	KS	1	66	F	Y	N	N			44
11/04/1999	1	KS	2	82	M		N	N			44
11/04/1999	1	KS	2	72	M		N	N			44
11/04/1999	1	KS	1	66	F	Y	N	N			44
11/04/1999	1	KS	1	57	M		N	N			44
11/04/1999	1	KS	2	53	M		N	N			44

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/04/1999	1	KS	2	64	F	Y	N	Y	56372		44
11/04/1999	1	KS	2	67	M		N	N			44
11/04/1999	1	KS	1	43	M		N	N			44
11/04/1999	1	KS	2	74	M		N	N			44
11/04/1999	1	KS	2	80	F	Y	N	N			44
11/04/1999	1	KS	2	65	F	Y	N	N			44
11/04/1999	1	KS	1	62	F	Y	N	Y	56385		44
11/04/1999	1	KS	2	61	F	Y	N	N			44
11/04/1999	1	KS	2	70	F	Y	N	N			44
11/04/1999	1	KS	2	85	M		N	N			44
11/04/1999	1	KS	2	63	F	Y	N	N			44
11/04/1999	1	KS	2	67	M		N	N			44
11/04/1999	1	KS	1	64	M		N	N			44
11/04/1999	1	KS	2	65	M		N	N			44
11/04/1999	1	KS	2	61	F	Y	N	N			44
11/04/1999	1	KS	1	62	F	Y	Y	N			44
11/04/1999	1	KS	2	77	M		N	N			44
11/04/1999	1	KS	1	73	F	Y	N	N			44
11/04/1999	1	KS	1	74	F	Y	N	N			44
11/04/1999	1	KS	2	74	F	Y	N	N			44
11/04/1999	1	KS	1	73	M		N	N			44
11/04/1999	1	KS	2	59	F	Y	N	N			44
11/04/1999	1	KS	1	70	M		N	N			44
11/04/1999	1	KS	1	62	M		N	N			44
11/04/1999	1	KS	1	69	F	Y	N	N			44
11/04/1999	1	KS	1	63	F	Y	N	N			44
11/04/1999	1	KS	2	69	F	Y	N	N			44
11/04/1999	1	KS	1	54	M		N	Y	133939		44
11/04/1999	1	KS	1	68	F	Y	N	N			44
11/04/1999	1	KS	1	70	M		N	N			44
11/04/1999	1	KS	2	44	M		N	N			44
11/04/1999	1	KS	2	69	F	Y	N	N			44
11/04/1999	1	KS	2	59	F	Y	N	N			44
11/04/1999	1	KS	1	66	F	Y	N	Y	56363		44
11/04/1999	1	KS	2	77	M		N	N			44
11/04/1999	1	KS	1	55	M		N	N			44
11/04/1999	1	KS	1	55	M		N	N			44
11/04/1999	1	KS	2	76	M		N	N			44
11/04/1999	1	KS	2	70	M		N	N			44
11/04/1999	1	KS	2	76	M		N	N			44
11/04/1999	1	KS	2	72	F	N	N	N			44
11/04/1999	1	KS	2	47	M		N	N			44
11/04/1999	1	KS	2	66	F	Y	N	N			44
11/04/1999	1	KS	2	70	F	Y	N	N			44
11/04/1999	1	KS	1	74	M		N	N			44
11/04/1999	1	KS	2	62	M		N	N			44
11/04/1999	1	KS	2	73	M		N	N			44
11/04/1999	1	KS	1	67	M		N	N			44
11/04/1999	1	KS	1	42	M		N	N			44
11/04/1999	1	KS	1	62	F	Y	N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/04/1999	2A	KS	2	63	M		N	N			44
11/04/1999	2A	KS	2	50	M		N	N			44
11/04/1999	2A	KS	1	45	M		N	N			44
11/04/1999	2A	KS	1	50	M		N	N			44
11/04/1999	2A	KS	2	64	F		N	N			44
11/04/1999	2A	KS	2	65	M		N	N			44
11/04/1999	2A	KS	1	60	F	Y	N	N			44
11/04/1999	2A	KS	2	80	F	Y	N	N			44
11/04/1999	2A	KS	1	74	M		N	N			44
11/04/1999	2A	KS	2	68	F	Y	N	N			44
11/04/1999	2A	KS	2	65	F	Y	N	N			44
11/04/1999	2A	KS	2	70	F	Y	N	N			44
11/04/1999	2A	KS	1	78	M		N	N			44
11/04/1999	2A	KS	2	63	F	Y	N	N			44
11/04/1999	2A	KS	2	60	F	Y	N	N			44
11/04/1999	2A	KS	1	65	M		N	N			44
11/04/1999	2A	KS	2	50	F	N	N	N			44
11/04/1999	2A	KS	1	63	M		N	N			44
11/04/1999	2A	KS	2	61	F	Y	N	N			44
11/04/1999	2A	KS	1	64	F	Y	N	N			44
11/04/1999	2A	KS	2	78	M		N	N			44
11/04/1999	2A	KS	1	52	M		N	N			44
11/04/1999	2A	KS	2	61	F	Y	N	N			44
11/04/1999	2A	KS	1	46	M		N	N			44
11/04/1999	2A	KS	1	56	M		N	N			44
11/04/1999	2A	KS	2	76	M		N	N			44
11/04/1999	2A	KS	2	63	M		N	N			44
11/04/1999	2A	KS	1	62	M		N	N			44
11/04/1999	2A	KS	1	65	F	Y	N	N			44
11/04/1999	2A	KS	2	62	F	Y	N	N			44
11/04/1999	2A	KS	1	76	F	N	Y	N			44
11/04/1999	2A	KS	1	65	M		N	Y	133938		44
11/04/1999	2A	KS	2	67	F	Y	N	N			44
11/04/1999	2A	KS	1	77	M		N	N			44
11/04/1999	2A	KS	1	62	M		N	N			44
11/04/1999	2A	KS	1	70	F	Y	N	N			44
11/04/1999	2A	KS	1	71	M		N	N			44
11/04/1999	2A	KS	1	50	M		N	N			44
11/04/1999	2A	KS	2	50	F	Y	N	N			44
11/04/1999	2A	KS	2	71	M		N	N			44
11/04/1999	2A	KS	1	59	F	Y	N	N			44
11/04/1999	2A	KS	2	73	F	Y	N	N			44
11/04/1999	2A	KS	1	56	F	Y	N	N			44
11/04/1999	2A	KS	1	47	M		N	N			44
11/04/1999	2A	KS	1	68	F	Y	N	N			44
11/04/1999	2A	KS	1	76	M		N	N			44
11/04/1999	2A	KS	1	66	F	Y	N	N			44
11/04/1999	2A	KS	1	68	F	Y	N	N			44
11/04/1999	2A	KS	2	69	M		N	N			44
11/04/1999	2A	KS	1	70	M		N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/04/1999	2A	KS	2	62	F	Y	N	N			44
11/04/1999	2A	KS	1	65	F	Y	Y	N			44
11/04/1999	2A	KS	1	61	M		N	N			44
11/04/1999	2A	KS	2	50	M		N	N			44
11/04/1999	2A	KS	2	65	F	Y	N	N			44
11/04/1999	2A	KS	1	64	M		N	N			44
11/04/1999	2A	KS	2	67	F	Y	N	N			44
11/04/1999	2A	KS	1	54	M		N	N			44
11/04/1999	2A	KS	1	51	M		N	N			44
11/04/1999	2A	KS	2	68	F	Y	N	N			44
11/04/1999	2A	KS	2	65	F	Y	N	N			44
11/04/1999	2A	KS	1	61	M		N	N			44
11/04/1999	2A	KS	1	60	F	Y	N	N			44
11/04/1999	2A	KS	2	44	M		N	N			44
11/04/1999	2A	KS	1	68	M		N	N			44
11/04/1999	2A	KS	2	75	M		N	N			44
11/04/1999	2A	KS	2	76	M		N	N			44
11/04/1999	2A	KS	1	72	M		N	N			44
11/04/1999	2A	KS	2	78	M		N	N			44
11/04/1999	2A	KS	2	52	M		N	N			44
11/04/1999	2A	KS	2	52	M		N	N			44
11/04/1999	2A	KS	2	60	F	Y	N	N			44
11/04/1999	2A	KS	1	60	F	Y	N	N			44
11/04/1999	2A	KS	2	66	M		N	N			44
11/04/1999	2A	KS	1	80	M		N	N			44
11/04/1999	2A	KS	1	61	F	Y	N	N			44
11/04/1999	2A	KS	2	60	F	Y	N	N			44
11/04/1999	2A	KS	2	61	M		N	N			44
11/04/1999	2A	KS	1	63	F	Y	N	N			44
11/04/1999	2A	KS	1	71	F	Y	N	N			44
11/04/1999	2A	KS	2	64	F	Y	N	N			44
11/04/1999	2A	KS	2	63	F	Y	N	N			44
11/04/1999	2A	KS	1	50	M		N	N			44
11/04/1999	2A	KS	2	65	F	Y	N	N			44
11/04/1999	2A	KS	1	71	F	Y	N	N			44
11/04/1999	2A	KS	1	74	M		N	N			44
11/04/1999	2A	KS	1	50	F	Y	N	N			44
11/04/1999	2A	KS	1	45	M		N	N			44
11/04/1999	2A	KS	1	74	F	Y	N	N			44
11/04/1999	2A	KS	1	77	F	Y	N	N			44
11/04/1999	2A	KS	1	40	M		N	N			44
11/04/1999	2A	KS	2	65	F	Y	N	N			44
11/04/1999	2A	KS	2	72	M		Y	N			44
11/04/1999	2A	KS	1	70	F	Y	N	N			44
11/04/1999	2A	KS	1	77	M		N	N			44
11/04/1999	2A	KS	1	68	F	Y	N	N			44
11/04/1999	2A	KS	1	56	M		N	N			44
11/04/1999	2A	KS	1	60	F	Y	N	N			44
11/04/1999	2A	KS	2	60	F	Y	N	N			44
11/04/1999	2A	KS	1	64	F	Y	Y	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/04/1999	2B	KS	2	70	M		N	N			44
11/04/1999	2B	KS	1	89	M		N	N			44
11/04/1999	2B	KS	2	69	M		Y	N			44
11/04/1999	2B	KS	1	61	F	Y	N	N			44
11/04/1999	2B	KS	1	44	M		N	N			44
11/04/1999	2B	KS	1	64	F	Y	N	N			44
11/04/1999	2B	KS	1	64	M		N	N			44
11/04/1999	2B	KS	2	68	M		N	N			44
11/04/1999	2B	KS	2	68	M		N	N			44
11/04/1999	2B	KS	2	54	F		N	N			44
11/04/1999	2B	KS	1	44	M		N	N			44
11/04/1999	2B	KS	2	65	F		N	N			44
11/04/1999	2B	KS	1	54	M		N	N			44
11/04/1999	2B	KS	2	69	M		N	N			44
11/04/1999	2B	KS	1	63	M		Y	N			44
11/04/1999	2B	KS	1	79	M		N	N			44
11/04/1999	2B	KS	1	61	M		N	N			44
11/04/1999	2B	KS	2	57	M		N	N			44
11/04/1999	2B	KS	2	58	F	Y	N	N			44
11/04/1999	2B	KS	2	59	F	Y	N	N			44
11/04/1999	2B	KS	1	77	M		N	N			44
11/04/1999	2B	KS	1	67	F	Y	N	N			44
11/04/1999	2B	KS	1	60	F	Y	N	N			44
11/04/1999	2B	KS	1	70	F	Y	N	N			44
11/04/1999	2B	KS	2	55	M		N	N			44
11/04/1999	2B	KS	1	46	M		N	N			44
11/04/1999	2B	KS	2	64	F	Y	Y	N			44
11/04/1999	2B	KS	2	66	M		N	N			44
11/04/1999	2B	KS	1	69	F	Y	N	N			44
11/04/1999	2B	KS	1	64	F	Y	N	N			44
11/04/1999	2B	KS	2	60	F	Y	N	N			44
11/04/1999	2B	KS	1	50	M		?	N			44
11/04/1999	2B	KS	2	70	M		N	N			44
11/04/1999	2B	KS	1	62	F	Y	N	N			44
11/04/1999	2B	KS	2	60	F	Y	N	N			44
11/04/1999	2B	KS	2	72	M		N	N			44
11/04/1999	2B	KS	1	71	F	Y	N	N			44
11/04/1999	2B	KS	2	60	F	Y	N	N			44
11/04/1999	2B	KS	2	59	F	Y	N	N			44
11/04/1999	2B	KS	2	54	M		N	N			44
11/04/1999	2B	KS	1	75	F	Y	N	N			44
11/04/1999	2B	KS	1	45	M		N	N			44
11/04/1999	2B	KS	2	55	F	Y	Y	N			44
11/04/1999	2B	KS	2	68	M		N	N			44
11/04/1999	2B	KS	1	65	F	Y	N	N			44
11/04/1999	2B	KS	1	81	M		N	N			44
11/04/1999	2B	KS	2	60	F	Y	N	N			44
11/04/1999	2B	KS	2	42	M		N	N			44
11/04/1999	2B	KS	2	68	M		N	N			44
11/04/1999	2B	KS	2	66	F	Y	N	N			44

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/04/1999	2B	KS	1	42	M		N	N			44
11/04/1999	2B	KS	2	64	F	Y	N	N			44
11/04/1999	2B	KS	1	59	F	Y	N	N			44
11/04/1999	2B	KS	1	68	F	Y	N	N			44
11/04/1999	2B	KS	1	64	F	Y	N	N			44
11/04/1999	2B	KS	1	80	M		N	N			44
11/04/1999	3A	KS	1	76	F	Y	N	N		51	44
11/04/1999	3A	KS	1	50	M		N	N			44
11/04/1999	3A	KS	1	72	F	Y	N	N			44
11/04/1999	3A	KS	1	68	M		N	N			44
11/04/1999	3A	KS	1	50	M		N	N			44
11/04/1999	3A	KS	1	66	M		N	N			44
11/04/1999	3A	KS	1	71	M		N	N			44
11/04/1999	3A	KS	1	68	M		N	N			44
11/04/1999	3A	KS	1	62	F	Y	N	N			44
11/04/1999	3A	KS	1	58	M		N	N			44
11/04/1999	3A	KS	1	66	M		N	N			44
11/04/1999	3A	KS	2	80	M		N	N			44
11/08/1999	1	KS	2	50	M		N	N		139	45
11/08/1999	1	KS	2	63	F	Y	N	N			45
11/08/1999	1	KS	2	55	M		N	N			45
11/08/1999	1	KS	2	60	M		N	N			45
11/08/1999	1	KS	1	55	F	N	N	N			45
11/08/1999	1	KS	2	70	F	Y	N	Y	28904		45
11/08/1999	1	KS	1	45	M		N	N			45
11/08/1999	1	KS	1	55	M		N	N			45
11/08/1999	1	KS	2	55	M		N	N			45
11/08/1999	1	KS	2	56	M		N	N			45
11/08/1999	1	KS	2	75	F	Y	N	N			45
11/08/1999	1	KS	2	56	F	Y	N	N			45
11/08/1999	1	KS	1	45	M		N	N			45
11/08/1999	1	KS	1	63	F	Y	N	N			45
11/08/1999	1	KS	1	95	F	Y	N	N			45
11/08/1999	1	KS	1	63	F	Y	N	N			45
11/08/1999	1	KS	1	65	F	Y	N	N			45
11/08/1999	1	KS	2	62	F	N	N	N			45
11/08/1999	1	KS	1	45	M		N	N			45
11/08/1999	1	KS	2	56	F	Y	N	Y	28801		45
11/08/1999	1	KS	1	73	F	N	N	Y	28909		45
11/08/1999	1	KS	2	67	M		N	N			45
11/08/1999	1	KS	2	50	M		N	N			45
11/08/1999	1	KS	1	55	F	Y	N	N			45
11/08/1999	1	KS	2	60	M		N	N			45
11/08/1999	1	KS	2	75	M		N	N			45
11/08/1999	1	KS	1	54	M		N	N			45
11/08/1999	1	KS	1	55	M		N	N			45
11/08/1999	1	KS	2	50	F	Y	N	N			45
11/08/1999	1	KS	2	63	M		N	N			45
11/08/1999	1	KS	2	67	M		N	N			45
11/08/1999	1	KS	2	60	F	N	N	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/08/1999	1	KS	1	55	M		N	N			45
11/08/1999	1	KS	2	65	F	Y	N	Y	28912		45
11/08/1999	1	KS	1	45	M		N	N			45
11/08/1999	1	KS	2	55	F	Y	N	N			45
11/08/1999	1	KS	2	60	F	Y	N	N			45
11/08/1999	1	KS	2	50	F	Y	N	N			45
11/08/1999	1	KS	1	47	M		N	N			45
11/08/1999	1	KS	1	65	F	Y	N	N			45
11/08/1999	1	KS	1	47	M		N	N			45
11/08/1999	1	KS	2	87	M		N	N			45
11/08/1999	2A	KS	1	60	M		N	N		117	45
11/08/1999	2A	KS	2	50	M		N	N			45
11/08/1999	2A	KS	1	55	M		N	N			45
11/08/1999	2A	KS	2	52	M		N	N			45
11/08/1999	2A	KS	1	50	M		N	N			45
11/08/1999	2A	KS	1	52	M		N	N			45
11/08/1999	2A	KS	1	56	F	Y	N	N			45
11/08/1999	2A	KS	2	57	M		N	N			45
11/08/1999	2A	KS	2	75	F	Y	N	N			45
11/08/1999	2A	KS	2	65	F	Y	N	N			45
11/08/1999	2A	KS	1	65	M		N	N			45
11/08/1999	2A	KS	2	76	F	Y	N	N			45
11/08/1999	2A	KS	1	62	F	Y	N	N			45
11/08/1999	2A	KS	2	60	F	Y	N	N			45
11/08/1999	2A	KS	2	65	M		N	N			45
11/08/1999	2A	KS	1	69	M		N	N			45
11/08/1999	2A	KS	2	65	M		N	N			45
11/08/1999	2A	KS	2	48	M		N	N			45
11/08/1999	2A	KS	2	64	M		N	N			45
11/08/1999	2A	KS	2	61	F	Y	N	N			45
11/08/1999	2A	KS	1	47	M		N	N			45
11/08/1999	2A	KS	1	64	F	Y	N	N			45
11/08/1999	2A	KS	2	64	F	Y	Y	N			45
11/08/1999	2A	KS	2	60	F	Y	Y	N			45
11/08/1999	2A	KS	2	58	M		N	N			45
11/08/1999	2A	KS	1	46	M		N	N			45
11/08/1999	2A	KS	2	65	F	Y	N	N			45
11/08/1999	2A	KS	2	45	M		N	N			45
11/08/1999	2A	KS	1	65	F	Y	N	N			45
11/08/1999	2A	KS	1	45	M		N	N			45
11/08/1999	2A	KS	1	52	M		N	N			45
11/08/1999	2A	KS	2	60	F	Y	N	N			45
11/08/1999	2A	KS	1	75	M		N	N			45
11/08/1999	2A	KS	2	73	M		N	N			45
11/08/1999	2A	KS	2	67	M		N	N			45
11/08/1999	2A	KS	2	63	M		N	N			45
11/08/1999	2A	KS	2	64	M		N	N			45
11/08/1999	2A	KS	2	60	F	Y	N	N			45
11/08/1999	2A	KS	1	52	M		N	N			45
11/08/1999	2A	KS	1	60	M		N	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/08/1999	2A	KS	1	65	M		N	N			45
11/08/1999	2A	KS	2	60	M		N	N			45
11/08/1999	2A	KS	2	64	F	Y	N	N			45
11/08/1999	2A	KS	2	53	M		N	N			45
11/08/1999	2A	KS	2	47	M		N	N			45
11/08/1999	2A	KS	2	65	F	Y	N	N			45
11/08/1999	2A	KS	1	55	M		N	N			45
11/08/1999	2A	KS	2	48	M		N	N			45
11/08/1999	2A	KS	2	55	F	Y	N	Y			45
11/08/1999	2A	KS	2	48	M		N	N			45
11/08/1999	2A	KS	1	60	F	Y	N	N			45
11/08/1999	2A	KS	2	77	M		Y	N			45
11/08/1999	2A	KS	2	65	F	Y	N	N			45
11/08/1999	2A	KS	2	56	F	Y	N	N			45
11/08/1999	2A	KS	2	46	M		N	N			45
11/08/1999	2A	KS	1	51	M		N	N			45
11/08/1999	2A	KS	2	61	F	Y	N	N			45
11/08/1999	2A	KS	1	60	F	Y	N	N			45
11/08/1999	2A	KS	2	66	M		N	N			45
11/08/1999	2A	KS	2	75	M		N	N			45
11/08/1999	2A	KS	2	76	M		N	N			45
11/08/1999	2A	KS	1	67	F	Y	N	N			45
11/08/1999	2B	KS	1	68	F	Y	N	N	P1		45
11/08/1999	2B	KS	1	69	F	Y	N	N			45
11/08/1999	2B	KS	1	65	F	Y	N	N			45
11/08/1999	2B	KS	2	63	M		Y	N			45
11/08/1999	2B	KS	1	70	F	Y	N	N			45
11/08/1999	2B	KS	2	50	M		N	N			45
11/08/1999	2B	KS	2	64	F	Y	Y	N			45
11/08/1999	2B	KS	1	59	F	Y	N	N			45
11/08/1999	2B	KS	1	51	M		N	N			45
11/08/1999	2B	KS	2	65	M		N	N			45
11/08/1999	2B	KS	2	68	M		Y	N			45
11/08/1999	2B	KS	2	72	M		Y	N			45
11/08/1999	2B	KS	1	69	F	Y	N	N			45
11/08/1999	2B	KS	1	55	M		Y	N			45
11/08/1999	2B	KS	2	71	M		N	N			45
11/08/1999	2B	KS	2	51	M		N	N			45
11/08/1999	2B	KS	2	71	F	Y	N	N			45
11/08/1999	2B	KS	3					N			45
11/08/1999	2B	KS	1	81	M		N	N			45
11/08/1999	2B	KS	1	55	M		N	N			45
11/08/1999	2B	KS	2	66	M		N	N			45
11/08/1999	2B	KS	2	74	M		N	N			45
11/08/1999	2B	KS	1	57	M		N	N			45
11/08/1999	2B	KS	2	43	M		N	N			45
11/08/1999	2B	KS	2	52	M		N	N			45
11/08/1999	2B	KS	1	68	F	Y	N	N	P 2		45
11/08/1999	2B	KS	2	46	M		N	N			45
11/08/1999	2B	KS	1	76	F	Y	N	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/08/1999	2B	KS	2	75	M		N	N			45
11/08/1999	2B	KS	2	40	M		N	N			45
11/08/1999	2B	KS	2	55	F	Y	N	N			45
11/08/1999	2B	KS	2	59	F	Y	N	N			45
11/08/1999	2B	KS	2	60	F	Y	N	N			45
11/08/1999	2B	KS	1	70	F	Y	N	N			45
11/08/1999	2B	KS	2	55	F	Y	N	N			45
11/08/1999	2B	KS	2	74	M		N	N			45
11/08/1999	2B	KS	2	40	M		N	N			45
11/08/1999	2B	KS	2	60	F	Y	N	N			45
11/08/1999	2B	KS	2	55	M		N	N			45
11/08/1999	2B	KS	2	64	F	Y	N	N			45
11/08/1999	2B	KS	2	55	M		N	N			45
11/08/1999	2B	KS	2	50	M		N	N			45
11/08/1999	2B	KS	2	57	M		N	N			45
11/08/1999	2B	KS	1	65	M		N	N			45
11/08/1999	2B	KS	2	65	F	Y	N	N			45
11/08/1999	2B	KS	2	55	F	Y	N	N			45
11/08/1999	2B	KS	2	68	F	Y	N	N			45
11/08/1999	2B	KS	2	66	F	Y	N	N			45
11/08/1999	2B	KS	2	63	F	Y	N	N			45
11/08/1999	2B	KS	2	65	F	Y	N	N			45
11/08/1999	2B	KS	2	90	M		N	N			45
11/08/1999	3A	KS	2	49	M		N	N		43	45
11/08/1999	3A	KS	1	69	M		N	N			45
11/08/1999	3A	KS	1	65	M		N	N			45
11/08/1999	3A	KS	1	74	M		N	N			45
11/08/1999	3A	KS	1	65	F	Y	N	N			45
11/08/1999	3A	KS	2	72	M		Y	N			45
11/08/1999	3A	KS	1	66	F	Y	N	N			45
11/08/1999	3A	KS	1	64	M		N	N			45
11/08/1999	3A	KS	2	67	M		N	N			45
11/08/1999	3A	KS	1	48	M		N	N			45
11/08/1999	3A	KS	2	62	F	Y	Y	N			45
11/08/1999	3A	KS	1	46	M		N	N			45
11/08/1999	3A	KS	2	64	M		N	N			45
11/08/1999	3A	KS	1	70	F	Y	N	N			45
11/08/1999	3A	KS	1	61	F	Y	N	N			45
11/08/1999	3A	KS	2	70	F	Y	N	N			45
11/08/1999	3A	KS	2	68	F	Y	N	N			45
11/08/1999	3A	KS	2	63	F	Y	N	N			45
11/08/1999	3A	KS	1	73	M		N	N			45
11/08/1999	3A	KS	2	70	F	Y	N	N			45
11/11/1999	2A	KS	2	67	F	Y	?	N		90	45
11/11/1999	2A	KS	1	52	M		N	N			45
11/11/1999	2A	KS	2	61	M		N	N			45
11/11/1999	2A	KS	2	69	M		N	N			45
11/11/1999	2A	KS	2	64	M		N	N			45
11/11/1999	2A		3					N			45
11/11/1999	2A	KS	2	70	F	Y	Y	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/11/1999	2A	KS	1	43	M		N	N			45
11/11/1999	2A	KS	2	44	M		N	N			45
11/11/1999	2A	KS	2	75	M		N	N			45
11/11/1999	2A	KS	2	63	F	Y	N	N			45
11/11/1999	2A	KS	2	90	M		N	N			45
11/11/1999	2A	KS	2	60	F	Y	Y	N			45
11/11/1999	2A	KS	2	60	F	Y	N	N			45
11/11/1999	2A	KS	2	66	F	Y	N	N			45
11/11/1999	2A	KS	2	50	M		N	N			45
11/11/1999	2A	KS	2	70	F	Y	N	N			45
11/11/1999	2A	KS	1	35	M		N	N			45
11/11/1999	2A	KS	1	57	M		N	N			45
11/11/1999	2A	KS	2	53	M		N	N			45
11/11/1999	2A	KS	2	70	F	Y	N	N			45
11/11/1999	2A	KS	1	62	F	Y	Y	N			45
11/11/1999	2A	KS	2	72	M		N	N			45
11/11/1999	2A	KS	1	56	M		Y	N			45
11/11/1999	2A	KS	2	66	F	Y	N	N			45
11/11/1999	2A	KS	2	63	F	Y	N	N			45
11/11/1999	2A	KS	2	49	M		N	N			45
11/11/1999	2A	KS	2	65	M		N	N			45
11/11/1999	2A	KS	1	60	F	Y	N	N			45
11/11/1999	2A	KS	2	60	F	Y	N	N			45
11/11/1999	2A	KS	2	55	M		Y	N			45
11/11/1999	2A	KS	2	60	F	Y	N	N			45
11/11/1999	2A	KS	2	45	M		N	Y	28923		45
11/11/1999	2A	KS	2	35	M		N	N			45
11/11/1999	2A	KS	2	78	F	Y	N	N			45
11/11/1999	2A	KS	2	47	M		N	N			45
11/11/1999	2A	KS	2	66	F	Y	N	N			45
11/11/1999	2A	KS	1	51	M		N	N			45
11/11/1999	2A	KS	2	50	M		N	N			45
11/11/1999	2A	KS	2	66	M		N	N			45
11/11/1999	2A	KS	2	64	M		N	N			45
11/11/1999	2A	KS	1	56	M		?	N			45
11/11/1999	2A	KS	2	55	M		N	N			45
11/11/1999	2A	KS	2	54	F	Y	N	N			45
11/11/1999	2A	KS	3					N			45
11/11/1999	2A	KS	2	63	M		N	N			45
11/11/1999	2A	KS	2	71	M		N	N			45
11/11/1999	2A	KS	2	51	M		N	N			45
11/11/1999	2A	KS	2	55	M		N	N			45
11/11/1999	2A	KS	2	46	M		N	N			45
11/11/1999	2A	KS	2	66	F	Y	N	N			45
11/11/1999	2A	KS	2	64	F	Y	Y	N			45
11/11/1999	2A	KS	2	66	F	Y	N	N			45
11/11/1999	2A	KS	2	84	M		N	N			45
11/11/1999	2A	KS	1	70	F	Y	N	N			45
11/11/1999	2A	KS	2	62	F	Y	N	N			45
11/11/1999	2A	KS	1	58	M		N	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/11/1999	2B	KS	2	78	F	Y	N	N			45
11/11/1999	2B	KS	2	48	M		N	N			45
11/11/1999	2B	KS	1	58	M		N	N			45
11/11/1999	2B	KS	1	67	F	Y	N	N			45
11/11/1999	2B	KS	2	65	F	Y	N	N			45
11/11/1999	2B	KS	2	60	M		N	N			45
11/11/1999	2B	KS	2	71	F	Y	N	N			45
11/11/1999	2B	KS	2	69	M		N	N			45
11/11/1999	2B	KS	2	49	M		N	N			45
11/11/1999	2B	KS	2	68	M		N	N			45
11/11/1999	2B	KS	1	51	M		N	N			45
11/11/1999	2B	KS	2	64	M		N	N			45
11/11/1999	2B	KS	2	72	F	Y	N	N			45
11/11/1999	2B	KS	1	40	M		N	N			45
11/11/1999	2B	KS	1	54	M		N	N			45
11/11/1999	2B	KS	2	57	M		N	N			45
11/11/1999	2B	KS	3	66	M		N	N			45
11/11/1999	2B	KS	1	54	M		N	N			45
11/11/1999	2B	KS	2	62	M		N	N			45
11/11/1999	2B	KS	1	66	M		N	N			45
11/11/1999	2B	KS	2	55	F	Y	N	N			45
11/11/1999	2B	KS	1	56	M		N	N			45
11/11/1999	2B	KS	3	65	M		N	Y	28839		45
11/11/1999	2B	KS	1	52	M		N	N			45
11/11/1999	2B	KS	1	49	M		N	N			45
11/11/1999	2B	KS	2	57	F	Y	N	N			45
11/11/1999	2B	KS	2	70	F	Y	N	N			45
11/11/1999	2B	KS	2	54	M		N	N			45
11/11/1999	2B	KS	2	71	M		N	N			45
11/11/1999	2B	KS	2	78	M		N	N			45
11/11/1999	2B	KS	2	75	M		N	N			45
11/11/1999	2B	KS	2	58	M		N	N			45
11/11/1999	2B	KS	2	57	F	Y	N	N			45
11/11/1999	2B	KS	1	72	M		N	N			45
11/11/1999	2B	KS	2	56	F	Y	N	N			45
11/11/1999	2B	KS	2	68	F	Y	N	N			45
11/11/1999	2B	KS	2	77	M		Y	N			45
11/11/1999	2B	KS	2	67	F	Y	N	N			45
11/11/1999	2B	KS	2	54	M		N	Y	28902		45
11/11/1999	2B	KS	2	64	M		Y	N			45
11/11/1999	2B	KS	3	55	M		N	N			45
11/11/1999	2B	KS	2	67	F	Y	N	N			45
11/11/1999	2B	KS	1	50	M		N	N			45
11/11/1999	2B	KS	2	66	F	Y	N	N			45
11/11/1999	2B	KS	3	50	F	Y	Y	N			45
11/11/1999	2B	KS	3	62	F	Y	N	N			45
11/11/1999	2B	KS	2	56	M		N	N			45
11/11/1999	2B	KS	2	69	F	Y	N	N			45
11/11/1999	2B	KS	2	71	M		N	N			45
11/11/1999	2B	KS	2	62	M		Y	N			45

Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/11/1999	1	KS	2	65	F	Y	N	N			45
11/11/1999	1	KS	2	48	M		N	N			45
11/11/1999	1	KS	2	75	M		Y	N			45
11/11/1999	1	KS	1	60	M		N	N			45
11/11/1999	1	KS	1	67	F	Y	N	N			45
11/11/1999	1	KS	2	70	F	Y	N	Y	56369		45
11/11/1999	1	KS	2	65	F	Y	N	N			45
11/11/1999	1	KS	1	65	M		N	N			45
11/11/1999	1	KS	1	75	M		N	N			45
11/11/1999	1	KS	2	65	F	Y	N	N			45
11/11/1999	1	KS	2	74	M		N	N			45
11/11/1999	1	KS	2	56	M		Y	N			45
11/11/1999	1	KS	2	75	F	Y	N	N			45
11/11/1999	1	KS	1	87	F	Y	N	N			45
11/11/1999	1	KS	2	58	F	Y	N	N			45
11/11/1999	1	KS	2	72	F	Y	N	N			45
11/11/1999	1	KS	1	56	M		N	N			45
11/11/1999	1	KS	2	60	F	Y	N	N			45
11/11/1999	1	KS	2	68	F	Y	N	N			45
11/11/1999	1	KS	1	64	F	Y	N	N			45
11/11/1999	1	KS	2	50	M		N	N			45
11/11/1999	1	KS	2	70	F	Y	N	N			45
11/11/1999	1	KS	1	60	M		N	N			45
11/11/1999	1	KS	2	78	F	Y	N	N			45
11/11/1999	1	KS	2	53	M		N	N			45
11/11/1999	1	KS	2	65	F	Y	N	N			45
11/11/1999	1	KS	2	68	F	Y	N	N			45
11/11/1999	1	KS	2	61	F	Y	N	N			45
11/11/1999	1	KS	2	68	F	Y	N	N			45
11/11/1999	1	KS	2	76	F	Y	N	N			45
11/11/1999	1	KS	1	67	F	Y	N	N			45
11/11/1999	1	KS	2	68	F	Y	N	N			45
11/11/1999	1	KS	1	45	M		N	N			45
11/11/1999	1	KS	1	58	M		N	N			45
11/11/1999	1	KS	2	80	F	Y	N	N			45
11/11/1999	1	KS	2	70	M		Y	N			45
11/11/1999	1	KS	2	68	F	Y	N	N			45
11/11/1999	1	KS	1	65	F	Y	N	N			45
11/11/1999	1	SS	1	78	M		N	N			45
11/11/1999	1	KS	2	68	M		N	N			45
11/11/1999	1	KS	2	55	F	Y	N	N			45
11/11/1999	1	KS	2	50	F	Y	N	N			45
11/11/1999	1	KS	1	50	M		N	N			45
11/11/1999	1	KS	1	60	M		N	N			45
11/11/1999	1	KS	2	60	F	Y	N	N			45
11/11/1999	1	KS	1	55	M		N	N			45
11/11/1999	1	KS	2	49	M		N	N			45
11/11/1999	1	KS	2	62	M		N	N			45
11/11/1999	1	KS	2	75	F	Y	N	N			45
11/11/1999	1	KS	1	60	M		N	N			45

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
11/15/1999	2A	KS	2	45	M		N	N			46
11/15/1999	2A	KS	2	69	F	Y	N	N			46
11/15/1999	2A	KS	2	51	M		N	N			46
11/15/1999	2A	KS	1	49	M		N	N			46
11/15/1999	2A	KS	1	73	M		Y	N			46
11/15/1999	2A	KS	2	57	F	Y	N	N			46
11/15/1999	2A	KS	1	61	M		N	N			46
11/15/1999	2A	KS	1	49	M		Y	N			46
11/15/1999	2A	KS	2	63	F	Y	N	N			46
11/15/1999	2A	KS	2	55	F	Y	N	N			46
11/15/1999	2A	KS	1	63	F	Y	N	N			46
11/15/1999	2A	KS	1	45	M		N	N			46
11/15/1999	2A	KS	2	61	F	Y	Y	N			46
11/15/1999	2A	KS	1	66	F	Y	N	N			46
11/15/1999	2A	KS	2	42	M		N	N			46
11/15/1999	2A	KS	2	43	M		N	N			46
11/15/1999	2A	KS	2	46	M		N	N			46
11/15/1999	2A	KS	2	45	M		N	N			46
11/15/1999	2B	KS	1	52	M		N	N		9	46
11/15/1999	2B	KS	2	64	F	Y	N	N			46
11/15/1999	2B	KS	1	65	F	N	N	N			46
11/15/1999	2B	KS	2	76	M		Y	N			46
11/15/1999	2B	KS	2	67	M		N	N			46
11/15/1999	2B	KS	1	67	M		N	N			46
11/15/1999	2B	KS	2	61	F	Y	N	N			46
11/15/1999	2B	KS	3	55				N			46
11/15/1999	2B	KS	3					N			46
11/15/1999	2B	KS	2	65	F	Y	N	N			46
11/15/1999	2B	KS	3					N			46
11/15/1999	2B	KS	2	67	M		N	N			46
11/15/1999	2B	KS	2	47	M		N	N			46
11/15/1999	2B	KS	3					N			46
11/15/1999	2B	KS	2	66	M		N	N			46
11/15/1999	2B	KS	2	62	F	Y	N	N			46
11/15/1999	2B	KS	2	52	M		N	N			46
11/15/1999	2B	KS	2	64	F	Y	N	N			46
11/15/1999	2B	SS	2	53	M		N	N			46
11/15/1999	2B	KS	2	53	M		N	N			46
11/15/1999	2B	KS	2	70	M		Y	N			46
11/15/1999	2B	KS	2	59	F	Y	N	N			46
11/15/1999	2B	KS	1	63	F	Y	N	N			46
11/15/1999	2B	KS	2	68	F	Y	N	N			46
11/15/1999	2B	KS	2	52	M		N	N			46
11/15/1999	2B	KS	2	67	M		N	N			46
11/15/1999	2B	KS	1	65	F	Y	Y	N			46
11/15/1999	2B	KS	2	69	M		N	N			46
11/15/1999	2B	KS	2	71	M		Y	N			46
11/15/1999	2B	KS	2	57	M		Y	N			46
11/15/1999	2B	KS	1	50	M		N	N			46
11/15/1999	2B	KS	3					N			46

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Date	Rch	Sp	Cond	FL	Sex	Spawn	Punch	Ad Cl	Head #	Lives	Julian Wk
18-Nov	1	KS	2	54	F	Y	Y	N			46
18-Nov	2A	KS	2	52	M		N	N		6	46
18-Nov	2A	KS	1	65	F	Y	N	N			46
18-Nov	2A	KS	2	62	F	Y	N	N			46
18-Nov	2A	KS	?	55	F	?	?	N			46
18-Nov	2A	KS	1	71	F	Y	N	N			46
18-Nov	2A	KS	2	52	M		N	N			46
18-Nov	2A	KS	2	64	M		N	N			46
18-Nov	2A	KS	2	48	M		N	N			46
18-Nov	2A	KS	2	42	M		N	N			46
18-Nov	2A	KS	2	77	M		N	N			46
18-Nov	2A	KS	2	52	F	Y	Y	N			46
18-Nov	2A	KS	2	47	M		N	N			46
18-Nov	2A	KS	2	61	F	Y	N	N			46
18-Nov	2A	KS	2	70	M		N	N			46
18-Nov	2A	KS	2	63	F	?	?	?			46
18-Nov	2A	KS	3								46
18-Nov	2A	KS	2	52	M		Y	N			46
18-Nov	2A	KS	2	42	M		N	N			46
18-Nov	2A	KS	2	67	F	Y	N	N			46
18-Nov	2A	KS	2	64	M		N	N			46
18-Nov	2A	KS	2	62	F	?	?	?			46
18-Nov	2A	KS	2	55	M		N	N			46
18-Nov	2A	KS	2	55							46
18-Nov	2A	KS	2	54	M		N	Y			46
18-Nov	2A	KS	2	67	M		N	N			46
18-Nov	2A	KS	2	59	F	Y	N	N			46
18-Nov	2A	KS	2	70	M		N	Y			46
18-Nov	2A	KS	2	58	M		N	N			46
18-Nov	2A	KS	2	60	F	Y	N	N			46
18-Nov	2A	KS	2	57	M		N	N			46
18-Nov	2A	KS	2	65	M		?	?			46
18-Nov	2A	KS	2	69	M		N	N			46
18-Nov	2A	KS	2	64	F	Y	N	N			46
18-Nov	2A	KS	2	50	M		N	N			46
18-Nov	2A	KS	2	52	?	?	?	?			46
18-Nov	2A	KS	1	50	M		N	N			46
18-Nov	2A	KS	3	60	F	?	?	?			46
18-Nov	2A	KS	2	61	F	Y	Y	N			46
18-Nov	2A	KS	2	67	M		?				46
18-Nov	2A	KS	2	58	M		Y	N			46
18-Nov	2B	KS	2	72	F	Y	N	N		7	46
18-Nov	2B	KS	2	55	M		N	N			46
18-Nov	2B	KS	2	60	F	Y		N			46
18-Nov	2B	SS	1	72	M		N	N			46
18-Nov	2B	KS	2	69	F	Y	N	N			46
18-Nov	2B	KS	2	77	M		N	N			46
18-Nov	2B	KS	2	66	M		N	N			46
18-Nov	2B	KS	3	70	M						46
18-Nov	2B	KS	2	62	F	Y	N	N			46

Bogus Creek, 1999
Fish Weir Computer Data

California Department of Fish and Game
Klamath River Project
Yreka, CA

DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
21-Oct	1345	KS	M	50	N		3	228	Y
21-Oct	1511	KS	M	50	N		1	240	Y
21-Oct	1512	KS	M	50	N		3	241	Y
21-Oct	1550	KS	M	50	N		3	251	Y
23-Oct	1331	KS	M	50	N		3	294	Y
23-Oct	1545	KS	M	50	N			306	Y
24-Oct	1348	KS	M	50	N			315	Y
26-Oct	1302	KS	M	50	N		3	379	Y
26-Oct	1514	KS	M	50	N		3	411	Y
26-Oct	1554	KS	M	50	N			420	Y
28-Oct	1307	KS	M	50	N			477	Y
28-Oct	1455	KS	M	50	N			489	Y
29-Oct	1433	KS	M	50	N			522	Y
31-Oct	1110	KS	M	50	N			547	Y
01-Nov	1255	KS	M	50	N			564	Y
02-Nov	1510	KS	M	50	N		3	580	Y
12-Oct	930	KS	F	51	N		NICE	65	Y
12-Oct	1255	KS	M	51	N		OTTER BITES	75	Y
14-Oct	1320	KS	F	51	N		3	102	Y
16-Oct	1450	KS	M	51	N			142	Y
20-Oct	1137	KS	M	51	N			183	Y
20-Oct	1305	KS	M	51	N		3	188	Y
20-Oct	1307	KS	M	51	N		3	189	Y
20-Oct	1438	KS	M	51	N		3	200	Y
21-Oct	1532	KS	M	51	N		3	245	Y
24-Oct	1317	KS	M	51	N		3	312	Y
26-Oct	1308	KS	M	51	Y	133949	3	381	N
26-Oct	1351	KS	M	51	N		3	389	Y
26-Oct	1455	KS	M	51	N		3	407	Y
27-Oct	1337	KS	M	51	N		3	443	Y
27-Oct	1547	KS	M	51	N			465	Y
28-Oct	1452	KS	M	51	N			488	Y
28-Oct	1506	KS	M	51	N			493	Y
28-Oct	1510	KS	M	51	N			495	Y
31-Oct	1155	KS	M	51	N			545	Y
01-Nov	1506	KS	M	51	N		3	571	Y
04-Nov	1032	KS	M	51	N		3	606	Y
04-Nov	1145	KS	M	51	N		3	620	Y
02-Oct	907	KS	M	52	N		3	6	Y
12-Oct	1000	KS	M	52	N		OTTER BITE	66	Y
14-Oct	1055	KS	M	52	N			95	Y
14-Oct	1519	KS	M	52	N			115	Y
20-Oct	1435	KS	M	52	N		OTTER BITE/3	196	Y
20-Oct	1441	KS	M	52	N		3	202	Y
22-Oct	1235	KS	M	52	N			254	Y
22-Oct	1538	KS	M	52	N		3	283	Y
22-Oct	1540	KS	M	52	N			284	Y
23-Oct	1332	KS	M	52	N		3	295	Y
25-Oct	1452	KS	M	52	N			341	Y
26-Oct	1322	KS	M	52	N		3	384	Y

DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
01-Nov	1356	KS	M	54	N		3	566	Y
07-Nov	1543	KS	M	54	N			661	Y
20-Oct	1531	KS	M	55	N		3	211	Y
20-Oct	1547	KS	M	55	N		3	216	Y
21-Oct	1530	KS	M	55	N		3	243	Y
23-Oct	1442	KS	M	55	N			297	Y
25-Oct	1219	KS	M	55	N			336	Y
26-Oct	1215	KS	M	55	N		3	368	Y
26-Oct	1433	KS	M	55	N			396	Y
26-Oct	1511	KS	M	55	N			408	Y
26-Oct	1546	KS	M	55	N		3	418	Y
26-Oct	1558	KS	M	55	N		3	422	Y
27-Oct	1338	KS	M	55	N		3	444	Y
28-Oct	1305	KS	F	55	N			476	Y
28-Oct	1455	KS	M	55	N			490	Y
29-Oct	1110	KS	M	55	N			502	Y
31-Oct	1448	KS	M	55	N			555	Y
02-Nov	1337	KS	M	55	N			576	Y
02-Nov	1410	KS	M	55	N			578	Y
03-Nov	1301	KS	M	55	N		3	601	Y
04-Nov	1330	KS	M	55	N			628	Y
04-Nov	1512	KS	M	55	N			633	Y
06-Nov	1415	KS	M	55	N		3	646	Y
11-Oct	1220	KS	M	56	N		3/OTTER BITES	60	Y
16-Oct	1447	KS	M	56	N			141	Y
22-Oct	1517	KS	M	56	Y	133945		278	N
25-Oct	1450	KS	M	56	N			339	Y
25-Oct	1549	KS	M	56	N		3	348	Y
26-Oct	1146	KS	M	56	Y	133948		364	N
26-Oct	1222	KS	M	56	N		3	374	Y
26-Oct	1222	KS	M	56	N		3	375	Y
27-Oct	1127	KS	F	56	N		3	427	Y
27-Oct	1405	KS	M	56	N			445	Y
27-Oct	1420	KS	M	56	N			NONE	Y
27-Oct	1434	KS	M	56	N		3	454	Y
27-Oct	1525	KS	M	56	N		3	462	Y
27-Oct	1545	KS	M	56	N			466	Y
28-Oct	1240	KS	M	56	Y	133950	3	473	Y
28-Oct	1540	KS	M	56	N		3	500	Y
28-Oct	1542	KS	M	56	N			501	Y
29-Oct	1347	KS	M	56	Y	133953		521	Y
30-Oct	1156	KS	M	56	N			527	Y
31-Oct	1157	KS	M	56	N			546	Y
31-Oct	1442	KS	M	56	N			551	Y
03-Nov	1410	KS	M	56	N		3	604	Y
03-Nov	1530	KS	M	56	N			607	Y
04-Nov	1500	KS	M	56	N		3		Y
05-Oct	1230	KS	M	57	N		3	13	Y
18-Oct	1321	KS	M	57	N		3	156	Y
20-Oct	1006	KS	M	57	N			179	Y

DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
27-Oct	1441	KS	F	60	N		3	456	Y
28-Oct	1400	KS	M	60	N			482	Y
30-Oct	1505	KS	M	60	N			536	Y
31-Oct	1440	KS	M	60	N			549	Y
06-Oct	1000	KS	F	61	N		3	19	Y
20-Oct	1326	KS	M	61	N		3	190	Y
22-Oct	1508	KS	M	61	N		3	274	Y
25-Oct	1520	KS	M	61	N		3	343	Y
25-Oct	1547	KS	F	61	N		3	347	Y
26-Oct	1059	KS	M	61	N		3	358	Y
26-Oct	1147	KS	F	61	N		3	365	Y
26-Oct	1258	KS	M	61	N		3	376	Y
27-Oct	1435	KS	F	61	N		3	455	Y
28-Oct	1435	KS	M	61	N			485	Y
06-Nov	1215	KS	M	61	N		3	643	Y
11-Oct	1100	KS	F	62	N		3	55	Y
14-Oct	1442	KS	F	62	N			109	Y
19-Oct	1310	KS	F	62	N			168	Y
20-Oct	1134	KS	F	62	N			182	Y
20-Oct	1405	KS	F	62	N		3	195	Y
20-Oct	1433	KS	M	62	N		3	197	Y
22-Oct	1410	KS	M	62	N		3	265	Y
24-Oct	1410	KS	F	62	N			316	Y
26-Oct	1214	KS	F	62	N		3	367	Y
26-Oct	1543	KS	M	62	N		3	415	Y
27-Oct	1445	KS	M	62	N			458	Y
03-Nov	1505	KS	F	62	N			606	Y
11-Oct	1300	KS	F	63	N		3	61	Y
12-Oct	1315	KS	F	63	N		3	76	Y
14-Oct	835	KS	F	63	N		3	90	Y
14-Oct	1409	KS	F	63	N		3	107	Y
15-Oct	835	KS	M	63	N		3	116	Y
20-Oct	1349	KS	F	63	N		3	191	Y
21-Oct	1534	KS	F	63	N		3	246	Y
22-Oct	1510	KS	M	63	N		3	275	Y
22-Oct	1535	KS	F	63	N		3	281	Y
22-Oct	1552	KS	M	63	N		3	287	Y
23-Oct	1509	KS	F	63	N		3	301	Y
24-Oct	1536	KS	F	63	N			328	Y
27-Oct	1546	KS	F	63	N		3	464	Y
28-Oct	1345	KS	F	63	N			480	Y
30-Oct	1415	KS	F	63	N		3	533	Y
01-Nov	1236	KS	F	63	N			563	Y
04-Nov	1415	KS	F	63	N		3	630	Y
08-Nov	1437	KS	M	63	N		3	664	Y
08-Oct	1328	KS	M	64	N		3	35	Y
11-Oct	1215	KS	M	64	N		3/OTTER BITES	59	Y
13-Oct	1015	KS	M	64	N		3	81	Y
14-Oct	1506	KS	F	64	N			113	Y
15-Oct	1115	KS	M	64	N		OTTER BITES	121	Y

DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
27-Oct	1305	KS	F	66	N		OTTER BITE/3	439	Y
28-Oct	1415	KS	F	66	N			483	Y
30-Oct	1445	KS	F	66	N		3	534	Y
31-Oct	1446	KS	F	66	N			553	Y
06-Oct	1215	KS	F	67	N		3	23	Y
15-Oct	1305	KS	F	67	N			125	Y
17-Oct	1205	KS	F	67	N		3	147	Y
18-Oct	1140	KS	F	67	N		3	152	Y
19-Oct	1443	KS	F	67	N			175	Y
20-Oct	1437	KS	F	67	N		3	199	Y
21-Oct	1048	KS	M	67	N		3	221	Y
21-Oct	1449	KS	F	67	N		3	237	Y
23-Oct	1506	KS	F	67	N		3	300	Y
24-Oct	1315	KS	F	67	N		OTTER BITE/3	311	Y
24-Oct	1412	KS	F	67	N		OTTER BITE/3	317	Y
24-Oct	1428	KS	M	67	N		3	319	Y
26-Oct	1600	KS	F	67	N		3	423	Y
31-Oct	1449	KS	M	67	N			556	Y
31-Oct	1549	KS	F	67	N			561	Y
06-Oct	945	KS	M	68	N		3	16	Y
06-Oct	956	KS	M	68	N		3	17	Y
09-Oct	1138	KS	M	68	Y	133919	3	42	N
10-Oct	1305	KS	F	68	N			48	Y
11-Oct	1005	KS	F	68	N		3/OTTER BITES	53	Y
11-Oct	1130	KS	M	68	N		OTTER BITE	56	Y
11-Oct	1310	KS	F	68	N		3	63	Y
12-Oct	1155	KS	M	68	N		3	71	Y
12-Oct	1106	KS	F	68	N		3	72	Y
13-Oct	1340	KS	M	68	N		3	88	Y
15-Oct	1245	KS	F	68	N		3	122	Y
17-Oct	1250	KS	F	68	N			148	Y
17-Oct	1358	KS	F	68	N		3	151	Y
19-Oct	1435	KS	M	68	N			174	Y
22-Oct	1357	KS	F	68	N		3	264	Y
22-Oct	1411	KS	F	68	N		3	266	Y
22-Oct	1533	KS	F	68	N		3	280	Y
23-Oct	1545	KS	M	68	N		3	305	Y
24-Oct	1438	KS	M	68	N		3	320	Y
26-Oct	1324	KS	F	68	N		OTTER BITE/3	385	Y
26-Oct	1400	KS	F	68	N		3	390	Y
26-Oct	1402	KS	F	68	N			391	Y
27-Oct	1306	KS	F	68	N		3	440	Y
27-Oct	1450	KS	M	68	N			459	Y
28-Oct	1450	KS	M	68	N			486	Y
01-Nov	1530	KS	F	68	N		3	572	Y
02-Nov	1556	KS	M	68	N		3	585	Y
06-Nov	1521	KS	F	68	N		3	649	Y
11-Oct	1135	KS	M	69	N		3	57	Y
13-Oct	1156	SS	F	69	N		3	85	Y
16-Oct	1045	KS	F	69	N		3	130	Y

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DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
24-Oct	1505	KS	M	71	N			323	Y
26-Oct	1437	KS	M	71	N		3	401	Y
26-Oct	1512	KS	F	71	N		3	409	Y
28-Oct	1130	KS	F	71	N				Y
28-Oct	1536	KS	F	71	N			499	Y
29-Oct	1531	KS	M	71	N			524	Y
03-Nov	1220	KS	M	71	N			599	Y
04-Nov	1555	KS	M	71	N		3	636	Y
05-Oct	900	KS	M	72	N		3	9	Y
05-Oct	930	KS	M	72	N		3	11	Y
12-Oct	1235	KS	M	72	N			74	Y
15-Oct	1255	KS	F	72	N			124	Y
18-Oct	1429	KS	F	72	N			160	Y
21-Oct	1430	KS	M	72	N		3	235	Y
24-Oct	1506	KS	F	72	N		3	324	Y
26-Oct	1037	KS	M	72	N		3	354	Y
26-Oct	1145	KS	M	72	N		3	363	Y
26-Oct	1304	KS	M	72	N		3	380	Y
26-Oct	1407	KS	M	72	N		OTTER BITE/3	393	Y
26-Oct	1513	KS	F	72	N		3	410	Y
26-Oct	1541	KS	F	72	N			413	Y
27-Oct	1420	KS	M	72	N			449	Y
08-Oct	1256	KS	M	73	N		3	33	Y
10-Oct	1000	KS	M	73	N		BITE	46	Y
10-Oct	1005	KS	M	73	N			47	Y
12-Oct	1025	KS	M	73	N		JAW BEAT UP	67	Y
12-Oct	1130	KS	M	73	N		3	70	Y
13-Oct	1135	KS	M	73	N		3	83	Y
13-Oct	1140	KS	M	73	N		3	84	Y
13-Oct	1345	KS	M	73	N		3	89	Y
14-Oct	1233	KS	F	73	N		3	101	Y
14-Oct	1349	KS	M	73	N		3	104	Y
16-Oct	1510	KS	M	73	N			143	Y
20-Oct	1403	KS	M	73	N		3	194	Y
20-Oct	1452	KS	M	73	N		3	205	Y
20-Oct	1510	KS	F	73	Y	133927	3	208	N
21-Oct	1359	KS	F	73	N		3	230	Y
22-Oct	1514	KS	M	73	N		3	276	Y
22-Oct	1550	KS	M	73	Y	133946	3	286	N
22-Oct	1555	KS	M	73	N		3	288	Y
26-Oct	1058	KS	M	73	N		3	357	Y
26-Oct	1322	KS	M	73	N		3	383	Y
26-Oct	1515	KS	F	73	N		3	412	Y
27-Oct	1150	KS	M	73	N		3	428	Y
28-Oct	1245	KS	F	73	N		3	474	Y
09-Oct	1307	KS	M	74	Y	133920	OTTER BITE	44	N
11-Oct	915	KS	M	74	N		3	51	Y
13-Oct	910	KS	M	74	N		3	80	Y
19-Oct	1446	KS	F	74	N			176	Y
19-Oct	1454	KS	M	74	N			177	Y

DATE	TIME	SP	SEX	FL	AD CL	HEAD TAG	MARKS	SCALE #	PUNCHED
20-Oct	1543	KS	M	80	N		OTTER BITE/3	214	Y
21-Oct	1357	KS	M	80	N		3	229	Y
25-Oct	1146	KS	F	80	N				Y
16-Oct	1335	KS	F	81	N			134	Y
16-Oct	1440	KS	M	81	N			139	Y
20-Oct	1112	KS	M	81	N		3	181	Y
26-Oct	1350	KS	M	81	N		3	388	Y
14-Oct	1230	KS	M	82	N			99	Y
20-Oct	1533	KS	M	82	N		3	213	Y
26-Oct	1542	KS	M	82	N		3	414	Y
28-Oct	1300	KS	M	82	N		3	475	Y
09-Oct	1115	KS	M	83	N		3	41	Y
11-Oct	1140	KS	F	83	N		3	58	Y
28-Oct	1155	KS	M	83	N			471	Y
01-Oct	1030	KS	M	86	N		3	4	Y
13-Oct	1245	KS	M	86	N		3	86	Y
04-Oct	855	KS	M	87	N		3	7	Y
07-Oct	1045	KS	M	87	N			29	Y
13-Oct	1305	KS	M	87	N		3	87	Y
12-Oct	1056	KS	M	89	N		3	69	Y
14-Oct	1446	KS	M	96	N		3	110	Y
25-Sep									
26-Sep									
27-Sep									
29-Sep									
30-Sep									
03-Oct									

END OF RECORD

DATE	SP	SEX	SPAWN	FL	PUNCH	Ad	H_TAG	SCALE
15-Oct	KS	M			N	N		
16-Oct	KS	F	Y	60	N	N		
17-Oct	KS	M		66	N	N		145
18-Oct	KS	F	Y	67	N	N		157
19-Oct	KS	M		43	N	Y	133926	171
20-Oct	KS	M		53	N	N		178
21-Oct	KS	M		72	N	N		
21-Oct	KS	M		64	N	N		225
22-Oct	KS	M		66	N	N		253
23-Oct	KS	F	Y	67	N	N		291
24-Oct	KS	M		78	N	N		307
24-Oct	KS	M		83	N	N		3014
25-Oct	KS	M		72	N	N		
25-Oct	KS	F	Y	64	N	N		
25-Oct	KS	F	Y	61	N	N		331
25-Oct	KS	F	Y	70	N	N		332
25-Oct	KS	M		77	N	N		333
26-Oct	KS	F	Y	67	N	N		350
26-Oct	KS	F	Y	70	N	Y	133947	351
26-Oct	KS	M		35	N	N		352
26-Oct	KS	M		74	N	N		353
27-Oct	KS	M		57	N	N		
27-Oct	KS	M		57	N	N		437
27-Oct	KS	F	Y	60	N	N		
27-Oct	KS	F	Y	65	N	N		447
27-Oct	KS	F	Y	67	N	N		448
28-Oct	KS	F		60	N	N		
28-Oct	KS	M		77	N	N		
28-Oct	KS	M		76	N	N		
28-Oct	KS	M		73	N	N		491
28-Oct	KS	M		40	N	N		492
28-Oct	KS	F		65	Y	N		
29-Oct	KS	M		81	N	N		
29-Oct	KS	F	Y	70	N	N		503
29-Oct	KS	F	Y	70	N	Y	133952	504
29-Oct	KS	F	Y	65	N	N		505
29-Oct	KS	F	Y	62	N	N		506
29-Oct	KS	F	Y	67	N	N		507
29-Oct	KS	F	Y	70	N	N		508
29-Oct	KS	F	Y	64	N	N		509
29-Oct	KS	F	Y	67	N	N		510
29-Oct	KS	F	Y	78	N	N		511
29-Oct	KS	F	Y	75	N	Y	133951	512
29-Oct	KS	F	Y	71	N	N		513
29-Oct	KS	M		52	N	N		514
29-Oct	KS	F	N	55	N	N		515
29-Oct	KS	M		69	N	N		516
29-Oct	KS	F	Y	65	N	N		517
29-Oct	KS	F	Y	64	N	N		518
29-Oct	KS	F	Y	66	N	N		519

DATE	SP	SEX	SPAWN	FL	PUNCH	Ad	H_TAG	SCALE
04-Nov	KS	F	Y	74	N	N		
04-Nov	KS	F	Y	68	N	N		621
04-Nov	KS	F	Y	71	N	N		622
04-Nov	KS	M		70	N	N		
04-Nov	KS	F	Y	66	N	N		623
04-Nov	KS	M		68	N	N		
04-Nov	KS	F	Y	70	N	N		624
04-Nov	KS	M		75	N	N		625
04-Nov	KS	F	Y	70	N	N		
04-Nov	KS	M		55	N	N		626
04-Nov	KS	M		72	N	N		
04-Nov	KS	M		52	N	Y	133954	619
04-Nov	KS	F	Y	72	N	N		
04-Nov	KS	M		49	N	N		627
06-Nov	KS	F	Y	66	N	N		637
06-Nov	KS	M		77	N	N		
06-Nov	KS	F	Y	68	N	N		
06-Nov	KS	F	Y	69	Y	N		638
06-Nov	KS	M		54	N	N		639
06-Nov	KS	M		56	N	N		
06-Nov	KS	F	Y	70	N	N		
06-Nov	KS	M		55	N	N		
06-Nov	KS	M		51	N	N		640
06-Nov	KS	M		66	N	N		641
06-Nov	KS	M		75	N	N		
06-Nov	KS	F	Y	60	N	Y	133956	642
06-Nov	KS	F	Y	69	N	N		
06-Nov	KS	F	Y	68	N	N		645
07-Nov	KS	M		55	N	Y	133957	650
07-Nov	KS	F	Y	60	N	N		651
07-Nov	KS	M		65	Y	N		652
07-Nov	KS	M		50	N	N		653
07-Nov	KS	F	Y	60	N	N		
07-Nov	KS	F	Y	65	N	N		654
07-Nov	KS	F	Y	60	N	N		655
07-Nov	KS	F	Y	62	N	N		
07-Nov	KS	M		68	N	N		656
07-Nov	KS	F	Y	65	N	N		
08-Nov	KS	F	Y	65	N	N		662
08-Nov	KS	F	Y	64	N	N		
09-Nov	KS	M		54	N	N		666
09-Nov	KS	M		51	Y	N		667
09-Nov	KS	F	Y	65	N	N		
09-Nov	KS	M		56	N	N		
09-Nov	KS	M		48	N	N		668
09-Nov	KS	M		52	N	N		669
09-Nov	KS	M		41	N	N		670
09-Nov	KS	F	Y	61	Y	N		
09-Nov	KS	M		37	N	N		671

END OF RECORD

DATE	SP	SEX	SPAWN	FL	PUNCH	Ad	H_TAG	SCALE	COMMENTS
30-Oct	KS	F	Y	71	N	N		525	
30-Oct	KS	M		81	N	N		526	
30-Oct	KS	F	Y	70	N	N		528	
30-Oct	KS	M		53	N	N		529	
30-Oct	KS	M		83	N	N		530	
31-Oct	KS	M		60	N	N		538	
31-Oct	KS	M		65	N	N		539	
31-Oct	KS	F		70	N	N		540	
31-Oct	KS	M		63	N	N		541	
31-Oct	KS	F		61	N	N		542	
01-Nov	KS	F		65	N	N		562	
01-Nov	KS	F		71	N	N			NO SCALES/DECOMPOSED
02-Nov	KS	F		65	N	N			NO SCALES/DECOMPOSED
02-Nov	KS	F		64	N	N			NO SCALES/DECOMPOSED
02-Nov	KS	F		70	N	N			NO SCALES/DECOMPOSED
02-Nov	KS	F		65	N	N			NO SCALES/DECOMPOSED
02-Nov	KS	M		70	N	N		574	
02-Nov	KS	M		48	N	N		575	
02-Nov	KS	M		71	N	N		577	
02-Nov	KS	M		58	N	N		581	
02-Nov	KS	M		45	N	N		582	
02-Nov	KS	F		70	N	N		584	
03-Nov	KS	M		80	N	N		586	
03-Nov	KS	M		54	N	N		587	
03-Nov	KS	M		50	Y	N		588	
03-Nov	KS	M		69	N	N			NO SCALES/DECOMPOSED
03-Nov	KS	F	Y	67	Y	N		589	
03-Nov	KS	F	Y	66	N	N		590	
03-Nov	KS	F	Y	65	N	N		591	
03-Nov	KS	F	Y	65	N	N		595	
03-Nov	KS	M		75	N	N		596	
03-Nov	KS	F	Y	65	N	N		597	
03-Nov	KS	M		47	N	N		598	
03-Nov	KS	F	Y	67	N	N		593	
03-Nov	KS	F	Y	68	N	N		594	
03-Nov	KS	M		53	N	N			NO SCALES/DECOMPOSED
03-Nov	KS	M		70	N	N		603	
03-Nov	KS	M		68	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		62	N	N		609	
04-Nov	KS	M		50	Y	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		52	N	N		610	
04-Nov	KS	F	Y	60	N	Y	133955	611	
04-Nov	KS	M		62	Y	N		612	
04-Nov	KS	M		56	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		56	N	N		613	
04-Nov	KS	F	Y	65	N	N		614	
04-Nov	KS	M		85	N	N		615	
04-Nov	KS	F	Y	60	N	N		616	
04-Nov	KS	M		75	N	N		617	
04-Nov	KS	F	Y	58	Y	N		618	

DATE	SP	SEX	SPAWN	FL	PUNCH	Ad	H_TAG	SCALE	COMMENTS
15-Oct	KS	M			N	N			BADLY DECOMPOSED
16-Oct	KS	F	Y	60	N	N			BADLY DECOMPOSED
17-Oct	KS	M		66	N	N		145	
18-Oct	KS	F	Y	67	N	N		157	
19-Oct	KS	M		43	N	Y	133926	171	
20-Oct	KS	M		53	N	N		178	
21-Oct	KS	M		72	N	N			NO SCALES/DECOMPOSED
21-Oct	KS	M		64	N	N		225	
22-Oct	KS	M		68	N	N		253	
23-Oct	KS	F	Y	67	N	N		291	
24-Oct	KS	M		78	N	N		307	
24-Oct	KS	M		83	N	N		3014	
25-Oct	KS	M		72	N	N			NO SCALES/DECOMPOSED
25-Oct	KS	F	Y	64	N	N			NO SCALES/DECOMPOSED
25-Oct	KS	F	Y	61	N	N		331	
25-Oct	KS	F	Y	70	N	N		332	
25-Oct	KS	M		77	N	N		333	
26-Oct	KS	F	Y	67	N	N		350	
26-Oct	KS	F	Y	70	N	Y	133947	351	
26-Oct	KS	M		35	N	N		352	
26-Oct	KS	M		74	N	N		353	
27-Oct	KS	M		57	N	N			NO SCALES/DECOMPOSED
27-Oct	KS	M		57	N	N		437	
27-Oct	KS	F	Y	60	N	N			NO SCALES/DECOMPOSED
27-Oct	KS	F	Y	65	N	N		447	
27-Oct	KS	F	Y	67	N	N		448	
28-Oct	KS	F		60	N	N			NO SCALES/DECOMPOSED
28-Oct	KS	M		77	N	N			NO SCALES/DECOMPOSED
28-Oct	KS	M		76	N	N			NO SCALES/DECOMPOSED
28-Oct	KS	M		73	N	N		491	
28-Oct	KS	M		40	N	N		492	
28-Oct	KS	F		65	Y	N			NO SCALES/DECOMPOSED
29-Oct	KS	M		81	N	N			NO SCALES/DECOMPOSED
29-Oct	KS	F	Y	70	N	N		503	
29-Oct	KS	F	Y	70	N	Y	133952	504	
29-Oct	KS	F	Y	65	N	N		505	
29-Oct	KS	F	Y	62	N	N		506	
29-Oct	KS	F	Y	67	N	N		507	
29-Oct	KS	F	Y	70	N	N		508	
29-Oct	KS	F	Y	64	N	N		509	
29-Oct	KS	F	Y	67	N	N		510	
29-Oct	KS	F	Y	78	N	N		511	
29-Oct	KS	F	Y	75	N	Y	133951	512	
29-Oct	KS	F	Y	71	N	N		513	
29-Oct	KS	M		52	N	N		514	
29-Oct	KS	F	N	55	N	N		515	
29-Oct	KS	M		69	N	N		516	
29-Oct	KS	F	Y	65	N	N		517	
29-Oct	KS	F	Y	64	N	N		518	
29-Oct	KS	F	Y	66	N	N		519	

DATE	SP	SEX	SPAWN	FL	PUNCH	Ad	H_TAG	SCALE	COMMENTS
04-Nov	KS	F	Y	74	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	F	Y	68	N	N		621	
04-Nov	KS	F	Y	71	N	N		622	
04-Nov	KS	M		70	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	F	Y	66	N	N		623	
04-Nov	KS	M		68	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	F	Y	70	N	N		624	
04-Nov	KS	M		75	N	N		625	
04-Nov	KS	F	Y	70	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		55	N	N		626	
04-Nov	KS	M		72	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		52	N	Y	133964	619	
04-Nov	KS	F	Y	72	N	N			NO SCALES/DECOMPOSED
04-Nov	KS	M		49	N	N		627	
06-Nov	KS	F	Y	66	N	N		637	
06-Nov	KS	M		77	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	F	Y	68	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	F	Y	69	Y	N		638	
06-Nov	KS	M		54	N	N		639	
06-Nov	KS	M		56	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	F	Y	70	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	M		55	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	M		51	N	N		640	
06-Nov	KS	M		66	N	N		641	
06-Nov	KS	M		75	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	F	Y	60	N	Y	133956	642	
06-Nov	KS	F	Y	69	N	N			NO SCALES/DECOMPOSED
06-Nov	KS	F	Y	68	N	N		645	
07-Nov	KS	M		55	N	Y	133957	650	
07-Nov	KS	F	Y	60	N	N		651	
07-Nov	KS	M		65	Y	N		652	
07-Nov	KS	M		50	N	N		653	
07-Nov	KS	F	Y	60	N	N			NO SCALES/DECOMPOSED
07-Nov	KS	F	Y	65	N	N		654	
07-Nov	KS	F	Y	60	N	N		655	
07-Nov	KS	F	Y	62	N	N			NO SCALES/DECOMPOSED
07-Nov	KS	M		65	N	N		656	
07-Nov	KS	F	Y	65	N	N			NO SCALES/DECOMPOSED
08-Nov	KS	F	Y	65	N	N		662	
08-Nov	KS	F	Y	64	N	N			NO SCALES/DECOMPOSED
09-Nov	KS	M		54	N	N		666	
09-Nov	KS	M		51	Y	N		667	
09-Nov	KS	F	Y	65	N	N			NO SCALES/DECOMPOSED
09-Nov	KS	M		56	N	N			NO SCALES/DECOMPOSED
09-Nov	KS	M		48	N	N		668	
09-Nov	KS	M		52	N	N		669	
09-Nov	KS	M		41	N	N		670	
09-Nov	KS	F	Y	61	Y	N			NO SCALES/DECOMPOSED
09-Nov	KS	M		37	N	N		671	

END OF RECORD

END

04-8-02